INEIGHT

Contract Management
Integration Specification

InEight®
CONTRACT

Changelog

This changelog contains only significant or other notable changes to the document revision. Editorial or minor changes that do not affect the context of the document are not included in the changelog.

Rev	Date	Description
1.0	06-MAY-2019	Initial Release
		Added ProjectReference field to Purchase Order Request and Payment (Payform) Request. This also includes Tax Request by inheritance from Purchase Order Request. Published release.
2.0	09-JULY-2019	Added Plants. Published revision
3.0	03-OCT-2019	Added Relationships and Dependencies for legal entities, plants, and storage locations. Added Prerequisites. Added new fields (AgreementNumber, AgreementValue, PurchaseOrderNumber, and PurchaseOrderValue) to Purchase Order Request, Purchase Order Response, Contract Tax Request, and Contract Tax Response integrations. Published revision.
4.0	13-DEC-2019	Updated description of the ContractDetailType field in Purchase Order Request and the affects of the change to Contract Tax Request. Published revision (Release 19.11)
5.0	13-MAR-2020	Purchase Order Request: • Added CostCenterReference field in ContractDetailCostItem section. • Corrected field names. Changed from: Per, Plant, StorageLocation, CostItemReference, AccountingLedgerReference, and GoodsReceiptIndicator. Changed to: UnitsPerPrice, PlantReference, StorageLocationReference, AccountAssignmentNumber, GLAccountReference, and GoodsReceiptStatus. • Revised AccountAssignmentCategory field definition and values. Purchase Order Response: • Added NetValueWithoutTaxProjectCurrency field in ContractDetailResponse section and SourceSystemId in ContractDetailTax section. • Corrected field names. Changed from: Per, Plant, StorageLocation, CostItemReference, AccountingLedgerReference, and GoodsReceiptIndicator. Changed to: UnitsPerPrice, PlantReference, StorageLocationReference, AccountAssignmentNumber, GLAccountReference, and GoodsReceiptStatus. Payment (Payform) Request: • Added AgreementNumber, AgreementValue, PurchaseOrderNumber, PurchaseOrderValue fields in PaymentRequest section. • Added PaymentRequestContractDetail section. • Added BackChargeDetail section. • Added SupportingDocumentDetail section. • Added Approvers section. Goods Receipt Request: Added AgreementNumber, AgreementValue, PurchaseOrderNumber, PurchaseOrderValue fields. Contract Tax Request: Added CostCenterReference in ContractDetailCostItem section.

		Contract Tax Response: • Added NetValueWithoutTaxProjectCurrency field in ContractDetailResponse section and SourceSystemId in ContractDetailTax section. • Corrected field names. Changed from: Per, Plant, StorageLocation, CostItemReference, AccountingLedgerReference, and GoodsReceiptIndicator. Changed to: UnitsPerPrice, PlantReference, StorageLocationReference, AccountAssignmentNumber, GLAccountReference, and GoodsReceiptStatus. Accrual Request: • Added AgreementNumber, AgreementValue, PurchaseOrderNumber, PurchaseOrderValue fields in Accrual Request section. • Added CostCenterReference in AccrualDetailCostItem section. Added new integrations for Contract Equipment Request and Contract Equipment Response. Published revision (Release 20.2)
6.0	16-OCT-2020	Purchase Order Request and Contract Tax Request: Added CustomField1 through CustomField10 fields, and LongDescription field in ContractDetail array. Payment (Payform) Response: Added Data Requirements for Reponses section and examples. Purchase Order Request, Contract Tax Request:, Accrual Request, , Payment (Payform) Request: Added ProjectSourceSystemID, CostItemSourceSystemID, ContractDetailSourceSystemID fields. Goods Receipt Request Added ProjectSourceSystemID, ContractDetailSourceSystemID fields. Purchase Order Response: Added JSON Sample 3. Goods Receipt: Added JSON Sample 2 and Sample 3. Published revision (Release 20.9)
7.0	08-MAR-2021	Added Logger array, associated fields, and error messages in Purchase Order (Response), Payment Payform (Response), Goods Receipt (Response), Contract Tax (Response), Accrual Request (Response), Contract Equipment (Response). Published revision (Release 21.1).
8.0	02-JUL-2021	Added UI fields to Purchase Order (Request), Payment Payform (Request), Goods Receipt (Request), Contract Tax (Request), Accrual Request. Published revision (Release 21.5).
9.0	25-OCT-2021	Added contract and project tax breakdown detail fields to Payment Payform (Response) and Goods Receipt (Response). Published revision (Release 21.10).
10.0	06-JAN-2022	Added Invoice integration. Added IsCancelled field to Payment Payform (Response). Added ProjectISOCountrycode and IsTaxable fields to Purchase Order Request and Contract Tax Request. Published revision (Release 21.12).
11.0	29-JUL-2022	Added Vendor Change Order Integration. Added ContractDetailEstimatedTax array and fields, and added UpperLimit, LowerLimit, and DeliveryDate fields for ContractDetails to Purchase Order Request and Contract Tax Request. Added GRNonValuatedFlag field to Goods Receipt (Request). Published revision (Release 22.6).

12.0	23-SEP-2022	Added Invoice Tax and Line Item estimated tax in Payment Payform (Request) Added ContractCurrencyAmountWithoutTax , ContractCurrencyAmountTax, ProjectCurrencyAmountWithoutTax, and ProjectCurrencyAmountTax fields to Payment Payform (Response). Published revision (Release 22.8).
13.0	16-MAR-2023	Added multiple UI fields to Purchase Order (Request) and Contract Tax (Request). Added additional fields to Purchase Order (Response) and required fields column for External PO. Added JSON details to Sample 2. Added Sample 4 for External PO. Published revision (Release 23.2).
14	04-MAY-2023	Added example JSON messages to Sample 4 for Purchase Order (Response). Published revision (Release 23.4).
15	22-DEC-2023	Updated UnitOfMeasureReference field description in Purchase Order (Response), and updated Sample 4 for external purchase order, where a user can send multiple contracts in same payload. Added IsActive fields to Payment Payform (Response). Added NOTE to DebitCreditIndicator field description. Updated ContractLineAmountWithoutTax field to Required in Post Invoice Receipt. Updated required fields in Goods Receipt (Response) and JSON messages. Added NOTE to DebitCreditIndicator field description. Published revision (Release 23.10).
16	04-JUN-2024	Updated field descriptions to include mapping the integration field to the InEight cloud platform UI. Added additional fields related to Estimated tax details for each line in Goods Receipt Request. Published revision (Release 24.5).
17	20-AUG-2024	Added new field CreditIndicator to Payment (Payform) Request. Published revision (Release 24.7).
18	20-SEP-2024	Added RetentionRelease related fields and EstimatedPostingDate field to Payment Payform (Request) and Payment Payform (Response). Updated APIM Names in tables to match APIM. Published revision (Release 24.9).
19	27-NOV-2024	Added RetentionReleaseAmount and EstimatedPostingDate fields, and an option to send physical invoice as base 64 encoded string to Invoice. Added Payment Form Request integration. Added List Purchase Order integration. Published revision (Release 24.11).
20	29-May-2025	Added Payment Claim Request integration. Updated Error Messages section for existing APIs. Published revision (Release 25.5)

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Overview

The Contract Management set of integrations provides interfaces that are used in day-to-day operations of the InEight Contract application in conjunction with a customer's third-party ERP system. This document does not cover integrations that enable the initial setup and maintenance of master data lists that contain information required to facilitate the day-to-day operations. For instance, before a purchase order can be requested for a contract, the association of a company code, plant, and storage location for delivery of materials might be required. All three of the items mentioned belong to the Master Data set of integrations.

Integrations in this Document

Integration	Description
Purchase Order (Request)	This integration is comprised of two separate integration messages; one to request the creation of a purchase order (PO) from a third-party system (request), and one to receive updated information about contract details based on the creation of a purchase order (update). The update message can also be used to provide status updates for the purchase order as it moves from request to payment in the external system.
Purchase Order (Response)	See Purchase Order Request (above). This integration can also be used to populate data into a new contract from an external system.
Payment Payform (Request)	This integration is comprised of two separate integration messages. The request message creates a payment request in an external ERP system, while the status message allows the ERP to provide confirmation for receipt of the request and optional status updates of the payment until it has been fully processed.
Payment Payform (Response)	See Payment (Payform) Request (above).
Goods Receipt (Request)	This integration allows a user in the InEight Contract product user interface (UI) to capture details when goods, materials, or services are received by a project, which then requests the system of record, such as an ERP, to create a goods receipt transaction. The response to this request is handled by the Goods Receipt integration.
Goods Receipt	This integration provides a record of goods, services, and materials received against a contract. A receipt, accounting, or ERP system can use this integration at any time by sending a goods receipt record based on events or triggers that exist in the sending system. Optionally, the receipt, accounting, or ERP system can be configured to provide goods receipt records when requested by the InEight cloud platform via the Goods Receipt Request integration.
Contract Tax (Request)	This integration is for sending a generic request to a configured external system to provide the total tax and breakdown of tax codes and amounts for a contract. The response to this request is handled by the Tax Response integration.
Contract Tax (Response)	See Contract Tax Request (above).
Accrual Request	This integration provides a record of goods or services received but not yet invoiced against the contract. A user in the InEight cloud platform can capture the details and request a system of record, such as an ERP, to create an accrual transaction. The response to this request is handled by the Accrual Response integration.

Integration	Description
Accrual Request (Response)	This integration provides a record of the accrual against the contract. An accounting or ERP system can use this integration by sending an accrual record based on events or triggers that exist in the sending system. Optionally, a receipt, accounting, or ERP system can be configured to provide goods receipt records when requested by the InEight cloud platform via the Goods Receipt Request integration.
Plants	This integration creates and maintains the master list of plants.
Legal Entities	This is a master data interface integration. The ERP system sends all the available legal entities/company codes as single message or batch.
Storage Locations	This integration provides storage locations, which are used for ordering materials, to be created and maintained in a selectable list that is used in InEight Contract.
Project Shipping Address	This integration creates and maintains shipping address information for a project that uses InEight Contract.
Project Legal Entities	This integration associates legal entity records to a project and sets plant relationships for use in InEight Contract.
Project Storage Locations	This integration creates plant and storage location information for a project that uses InEight Contract.
Contract Equipment	These integrations allow an ERP system to match equipment details to equipment inventory. If the equipment used in a line item exists in ERP system, then the contract details are attached for that equipment. If not, the ERP system creates new equipment based on the information passed via integration. The new equipment details are sent to the InEight cloud platform for project equipment assignment.
Invoice	This integration allows vendors that are users to post invoices to InEight Contract that can then be used in Payment Request and submitted to ERP system for processing. The invoices posted are shown in the Invoice Register as unassigned invoices.
Vendor Change Order (Request)	This integration allows a customer to send any existing line adjustment for quantity or value added to a vendor change order or any new line items added to vendor change order or existing lines deleted by vendor change order.

Relationships and Dependencies

Legal Entities

A legal entity, also referred to as company code, is the legal business name used to operate a specific project. For example, a contractor named Mid-Atlantic Underground Piping normally operates under that name for most projects but because of the terms of a joint partnership with another contractor, they create a separate legal business entity named Baltimore Harbor Oil and Gas Project for which that name only exists for as long as the project lasts.

When using the Contracts application, each project must have a legal entity assigned to it. The creation and maintenance of the master list of legal entities is done through the Legal Entities integration. Assignment of a legal entity to a project is done through the Project Legal Entities integration.

Plants and Storage Locations

Plants and storage locations are used to manage the location of materials referenced in a contract. Plants determine where material is coming from, and storage locations determine where the material will be stored. Plants are directly assigned to legal entities in the Plant integration and can only belong to one legal entity. However, a legal entity can have more than one plant, as shown in the example below.

Legal Entity	Plant
Mid-Atlantic Underground Piping	Newark Distribution Center
	Baltimore Distribution Center
	Norfolk Distribution Center
Baltimore Harbor Oil and Gas Project	Baltimore Joint Distribution Center

Only one plant can be selected for use for a project, which is done in the project configuration for Contract. To select a plant for a project, open the project, and then go to the **Settings** menu.

Open the Contract application in the left navigation panel, and then select CONTRACTS > **Project ERP attributes**.

In a new project, **Company code** (legal entity) can be selected. If there is more than one plant available for the company code, the Plant field allows you to choose one of the Plant records from the list that has been assigned to the selected company code in the Plant Integration.

Storage locations are directly assigned to plants through the Storage Locations integration. A plant can have multiple storage locations, but a storage location can only belong to one plant, as shown in the example below.

Legal Entity	Plant	Storage Location
Mid-Atlantic Underground Piping	Newark Distribution Center	Newark Yard A
		Newark Yard B
	Baltimore Distribution Center	Baltimore Yard A
		Baltimore Yard B
	Norfolk Distribution Center	Norfolk Yard A
		Norfolk Yard B
		Norfolk Yard C
Baltimore Harbor Oil and Gas Project	Baltimore Joint Distribution Center	Baltimore Joint East Yard
		Baltimore Joint West Yard

Storage locations must also be assigned directly to a project. One or more of the storage locations that are assigned to a plant can be selected and assigned to a project. This can be done either through the same configuration screen as **Company code** and **Plant** or through the Project Storage Locations integration.

Project ERP attributes
Good receipts?
Non-Val...
Company code
1020 - Peter Kiewit Sons ULC
Plant
0122 - Eastern Canada-1020
*Storage location ID
*Description
*Default
0001
PuslinchYard2013
0006
ECAD - OH
0002
FEED - New Post
0010
HWY417Otrncmsvc
0007
The Bentway Proj

Prerequisites

The following table lists prerequisites to using the integrations in this document. These could be the presence of required supporting data or system configurations. All items in the table represent required fields in the integrations. There are many other fields in the integrations that reference data from various areas of InEight but are optional and will not prevent the addition or update of a record. These optional fields are called out in the individual integration field descriptions.

Prerequisite	Description	Required by
Configure project	Assign legal entity, plant, and storage locations to all new projects.	Material Management for all projects
Legal entity reference	Name of a legal entity that a plant will be assigned to.	Plants
Plant reference	PlantReference for the Plant record that a storage location will be assigned to.	Storage Locations

NOTE:	Prior to using the Contracts application for a project, the assignment of legal entities, plants, and storage locations must be completed for the project.

Purchase Order (Request)

Direction		From InEight Contract
Frequency		One time per purchase order. Depending on the business process, many (>100) might be processed at the end of a financial period such as each month or they might be processed as they come in, resulting in a small number per day.
Trigger Methods		Manually triggered by user in UI.
Average Payload Size		One record per message to create a purchase order or update a purchase order.
API Name		Not available in APIM.
InEight Contract	**Starting Version**	18.1
	Ending Version	

Configuration

The configuration information is entered via the InEight cloud platform UI. From the System menu Application integrations page, add an entity to show the configuration options.

Configuration Option	Description	Example	Req.
Entity	Contract: Post purchase order	NA	Yes
URI	Full endpoint URL destination path for the external system where purchase order requests are sent.	https://<address>/contractmgtpmtrequest	Yes
Username	Security credential for username expected by the receiving system.	InEightContractMgtIntegrations	No
Password	Security credential for password expected by the receiving system.	Password123	No

Fields

Depth	Name	Type	Precision[1]	Parent
1	ContractReference[2]	Number	10	
1	ContractTypeReference	String	10	
1	VendorReference	String	50	
1	PurchasingOrganizationReference	String	50	
1	PurchasingGroupReference	String	50	
1	LegalEntityReference	String	50	
1	CurrencyReference	String	50	
1	INCOTerms	String	50	
1	GRNonValuatedFlag	Boolean	NA	
1	CreatedByReference	String	50	
1	PaymentTermsReference	String	50	
1	CreatedDate	String	10	
1	LogToken	String	50	
1	ProjectReference	String	200	
1	ProjectSourceSystemId	Number	10	
1	AgreementNumber	String	20	
1	AgreementValue	Number	16,5	
1	PurchaseOrderNumber	String	20	
1	PurchaseOrderValue	Number	16,5	
1	CustomField1	String	500	
1	CustomField2	String	500	
1	CustomField3	String	500	
1	CustomField4	String	500	
1	CustomField5	String	500	
1	CustomField6	String	500	
1	CustomField7	String	500	
1	CustomField8	String	500	
1	CustomField9	String	500	
1	CustomField10	String	500	
1	RemainingToBuy	Number	16,5	
1	ContractStatus	String	200	

Depth	Name	Type	Precision[1]	Parent
1	Description	String	200	
1	ContractSubTypeReference	String	200	
1	EffectiveDate	String	10	
1	StorageLocationReference	String	20	
1	CountryOfOrigin	String	200	
1	InvoicePlanIndicator	Boolean	NA	
1	RetentionPercent	Number	16,5	
1	RetentionAmount	Number	16,5	
1	Discipline	String	200	
1	ScopeOfContract	String	500	
1	BidPackageReference	String	10	
1	BidPackageOriginalBaseValue	Number	16,5	
1	BidPackageContingencyEstimate	Number	16,5	
1	BidPackageEscalationEstimate	Number	16,5	
1	BidPackageUnawardedAdjustment	Number	16,5	
1	BidPackageOwnerChangeAmount	Number	16,5	
1	BidPackageTotalEstimate	Number	16,5	
1	LiquidatedDamageOverallCap	Number	16,5	
1	CustomList1	String	200	
1	CustomList2	String	200	
1	ProjectISOCountrycode	String	10	
1	RequisitionNumber	String	50	
1	RequisitionValue	Number	16,5	
1	IsExternalCreatedPurchaseOrder	String	10	
2	ShippingAddress	Array	NA	
3	DisplayId	Number	10	ShippingAddress
3	StreetName	String	500	ShippingAddress
3	CityName	String	50	ShippingAddress
3	Region	String	50	ShippingAddress
3	CountryCode	String	50	ShippingAddress
3	PostalCode	String	50	ShippingAddress
3	TaxJurisdiction	String	50	ShippingAddress
1	ContractDetail	Array	NA	
2	ContractDetailReference	Number	10	ContractDetail

Depth	Name	Type	Precision[1]	Parent
2	ContractDetailSourceSystemId	Number	10	ContractDetail
2	ContractDetailType	String	50	ContractDetail
2	Description	String	250	ContractDetail
2	LongDescription	String	250	ContractDetail
2	MaterialReference	String	50	ContractDetail
2	MaterialGroupReference	String	50	ContractDetail
2	CreatedByReference	String	50	ContractDetail
2	Quantity	Number	16,5	ContractDetail
2	UpperLimit	Number	16,5	ContractDetail
2	LowerLimit	Number	16,5	ContractDetail
2	UnitOfMeasureReference	String	50	ContractDetail
2	NetPrice	Number	16,5	ContractDetail
2	UnitsPerPrice	Number	16,5	ContractDetail
2	PriceUnitofMeasureReference	String	50	ContractDetail
2	TaxCodeReference	String	50	ContractDetail
2	DeliveryDate	String	10	ContractDetail
2	OrderDeliveryTolerance	Number	16,5	ContractDetail
2	PlantReference	String	50	ContractDetail
2	StorageLocationReference	String	50	ContractDetail
2	DeletionIndicator	String	1	ContractDetail
2	DeliveryCompleteIndicator	String	1	ContractDetail
2	ReturnPOFlag	String	1	ContractDetail
2	InvoicePlanIndicator	String	1	ContractDetail
2	MaterialCharacteristicReference	String	50	ContractDetail
2	MaterialCharacteristic	Array	NA	ContractDetail
3	MaterialCharacteristicType	String	50	MaterialCharacteristic
3	MaterialCharacteristicValue	String	50	MaterialCharacteristic
2	ShippingAddress	Array	NA	ContractDetail
3	DisplayId	Number	10	ShippingAddress
3	StreetName	String	500	ShippingAddress
3	CityName	String	50	ShippingAddress
3	Region	String	50	ShippingAddress
3	CountryCode	String	50	ShippingAddress
3	PostalCode	String	50	ShippingAddress

Depth	Name	Type	Precision[1]	Parent
3	TaxJurisdiction	String	50	ShippingAddress
2	AccountAssignmentCategory	String	3	ContractDetail
2	CDSSplitMethod	String	10	ContractDetail
2	ContractDetailCostItem	Array	NA	ContractDetail
3	SplitByValue	Number	16,9	ContractDetailCostItem
3	AccountAssignmentLineNumber	Number	10	ContractDetailCostItem
3	CostItemReference	String	50	ContractDetailCostItem
3	CostItemSourceSystemId	Number	10	ContractDetailCostItem
3	AccountingLedgerReference	String	50	ContractDetailCostItem
3	CreatedByReference	String	50	ContractDetailCostItem
3	DeletionIndicator	String	1	ContractDetailCostItem
3	CostCenterReference	String	50	ContractDetailCostItem
2	Comments	String	500	ContractDetail
2	RetentionPercent	Number	16,9	ContractDetail
2	FairMarketValue	String	50	ContractDetail
2	EquipmentPrefix	String	50	ContractDetail
2	RentalType	String	50	ContractDetail
2	NAICSCode	String	50	ContractDetail
2	WBSCategoryReference	String	50	ContractDetail
2	NoFurtherInvoiceIndicator	String	1	ContractDetail
2	GoodsReceiptStatus	String	1	ContractDetail
2	CustomField1	String	500	ContractDetail
2	CustomField2	String	500	ContractDetail
2	CustomField3	String	500	ContractDetail
2	CustomField4	String	500	ContractDetail
2	CustomField5	String	500	ContractDetail
2	UOMId	Number	16,9	ContractDetail
2	CountryOfOrigin	String	50	ContractDetail
2	HarmonizedTariffSchedule	String	50	ContractDetail
2	ValidThroughDate	String	10	ContractDetail
2	CustomList1	String	500	ContractDetail
2	CustomList2	String	500	ContractDetail
2	DiversityParticipationPercent	Number	16,5	ContractDetail
2	DiversityParticipationValue	Number	16,5	ContractDetail

Depth	Name	Type	Precision[1]	Parent
2	IsTaxable	String	10	ContractDetail
2	ContractDetailTaxAmount	Number	16,5	ContractDetail
2	TaxAmountProjectCurrency	Number	16,5	ContractDetail
2	ContractDetailEstimatedTax	Array		ContractDetail
3	TaxCode	String	50	ContractDetailEstimatedTax
3	Description	String	200	ContractDetailEstimatedTax
3	TaxAmount	Number	16,5	ContractDetailEstimatedTax
3	TaxRate	Number	16,5	ContractDetailEstimatedTax
3	CurrencyReference	String	10	ContractDetailEstimatedTax
3	TaxAmountProjectCurrency	Number	16,5	ContractDetailEstimatedTax
3	ProjectCurrencyReference	String	10	ContractDetailEstimatedTax
3	SourceSystemId	String	50	ContractDetailEstimatedTax
3	IncludeInCommittedCost	String	5	ContractDetailEstimatedTax

1 - For numeric data types, precision is given as total digits allowed in the field and the number of those digits that exist to the right of the decimal. For example, 16,5 represents a total of 16-digits allowed in the field with 5 of those digits existing as decimal places and 11 digits on the left of the decimal. The decimal is not counted as a digit.

2 - Natural Key field.

Field Descriptions

Name	Description	Example
ContractReference	Unique identifier of the contract and the purchase order number. The starting and ending values of the numbering sequence might be defined for different contract types per customer. This value shows in the UI in Project > Contract > Contract register > ID.	7300000016
ContractTypeReference	Must match a valid contract type (TypeCode). These are defined in InEight Contract Organization settings. This value shows in the UI in Project > Contract > Contract details > Type.	ZHSA
VendorReference	Unique identifier for an associated vendor. This must match a valid vendor record in the InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Vendor.	0010000727
PurchasingOrganizationReference	This is the value sent in this field by default. This is not shown in the UI.	0100

Name	Description	Example
PurchasingGroupReference	This is the value sent in this field by default. This is not shown in the UI.	010
LegalEntityReference	Key of the legal entity (aka Company). This value shows in the UI in Project > Project settings > Contracts > Project ERP attributes > Company code.	1354
CurrencyReference	Currency ISO code associated with the contract. This value is defaulted from the vendor but might be changed on the contract. This value shows in the UI in Project > Contract > Contract details > Contract currency.	USD
INCOTerms	INCO terms associated with the contract. Defaulted from the vendor but might be changed on the contract. The values of INCO terms are predefined for each customer. This value shows in the UI in Project > Contract > Contract details > Incoterms.	FOB
GRNonValuatedFlag	Indicator of whether the contract is goods receipt non-valuated. A value of *true* indicates that it is non-valuated and that only quantities (not financial values) will be sent and expected for evaluating receipt of goods. This value shows in the UI in Project > Project settings > Contract > Project ERP attributes > Are goods receipts valuated.	true
CreatedByReference	Display ID of the user that created the contract. This value shows in the UI in CORE> User>Employee Id field	89723947
PaymentTermsReference	Payment terms associated with the contract. Defaulted from the vendor but might be changed on each purchase order. The values of payment terms are predefined for each customer. This value shows in the UI in Project > Contract > Contract details > Payment term.	NET30
CreatedDate	Date that the contract was created using the format mm/dd/yyyy. This value shows in the UI in Project > Contract > Contracts register > Added on.	12/18/2017
LogToken	Unique token ID used to provide logging information for the integration in the InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP log token ID.	f6b2ac31-2ea4-4256-97e7-95ee196ce521
ProjectReference	Display ID of the project where the contract is coming from. This value shows in the UI in Project > Project details > Project ID.	103361

Name	Description	Example
ProjectSourceSystemId	Project internal ID that is a unique number maintained in the InEight cloud platform. This is not shown in the UI.	123
AgreementNumber	A free-form text field that can be manually filled by a user via the Contract UI or filled in the integration response message or the value from a dropdown representing association to a Master Agreement ID in InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Agreement ID.	5560789536
AgreementValue	An open numeric (decimal) field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Agreement value.	20,000,000.00
PurchaseOrderNumber	A free-form text field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Purchase order ID.	6203587410
PurchaseOrderValue	An open numeric (decimal) field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Purchase order value.	150,000.00
CustomField1	Value (if any) of data in Custom Field 1 defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 1.	
CustomField2	Value (if any) of data in Custom Field 2 defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 2.	
CustomField3	Value (if any) of data in Custom Field 3 defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 3.	

Name	Description	Example
CustomField4	Value (if any) of data in Custom Field 4 defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 4.	
CustomField5	Value (if any) of data in Custom Field 5 defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 5.	
CustomField6	Value (if any) of data in Custom Field 6 defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 6.	
CustomField7	Value (if any) of data in Custom Field 7 defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 7.	
CustomField8	Value (if any) of data in Custom Field 8 defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 8.	
CustomField9	Value (if any) of data in Custom Field 9 defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 9.	
CustomField10	Value (if any) of data in Custom field 10 defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 10.	
RemainingToBuy	Value of data in Remaining to buy field defined in InEight Contract. This value shows in the UI in Project > Contract > Contracts register > Remaining to buy.	123456.85
ContractStatus	Value of data in Current status field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Contract status.	Executed
Description	Value of data in Contract title field or Description field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Description.	Test Contract

Name	Description	Example
ContractSubTypeReference	Value of data in Subtype field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Subtype.	
EffectiveDate	Value of data in Effective date field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Effective date.	01/01/2021
StorageLocationReference	Value of data in Storage location field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Storage location.	
CountryOfOrigin	Value of data in Country of origin field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Country of origin.	USA
InvoicePlanIndicator	Indicates if Invoice only contract without goods receipt is selected in the UI. This value shows in the UI in Project > Contract > Contract details > Two-way match.	true
RetentionPercent	Overall retention percentage for the contract. This value shows in the UI in Project > Contract > Contract details > Retention dropdown > Contract retention Percent.	15
RetentionAmount	Overall retention value for the contract. This value shows in the UI in Project > Contract > Contract details > Retention dropdown > Contract retention Value.	15000
Discipline	Value of data in Discipline field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Discipline.	Civil Utilities
ScopeOfContract	Value of data in Scope of contract field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Scope of contract.	Test Scope of Contract
BidPackageReference	Display ID of the associated bid package for the contract. This value shows in the UI in Project > Contract > Contracts register > Bid package ID.	0012
BidPackageOriginalBaseValue	Original base value of the associated bid package (if applicable) of the contract. This value shows in the UI in Project > Contract > Contract details > Bid package budget dropdown > Original base value.	100000

Name	Description	Example
BidPackageContingencyEstimate	Contingency estimate value of the associated bid package (if applicable) of the contract. This value shows in the UI in Project > Contract > Contract details > Bid package budget dropdown > Contingency in estimate.	
BidPackageEscalationEstimate	Escalation estimate value of the associated bid package (if applicable) of the contract. This value shows in the UI in Project > Contract > Contract details > Bid package budget dropdown > Escalation in estimate.	
BidPackageUnawardedAdjustment	UnAwarded adjustment value of the associated bid package (if applicable) of the contract. This value shows in the UI in Project > Contract > Contract details > Bid package budget dropdown > Un-awarded adjustments.	
BidPackageOwnerChangeAmount	Owner Change Amount value of the associated bid package (if applicable) of the contract. This value shows in the UI in Project > Contract > Contract details > Bid package budget dropdown > Owner change amount.	
BidPackageTotalEstimate	Total bid package estimate value of the associated bid package (if applicable) of the contract. This value shows in the UI in Project > Contract > Contract details > Bid package budget dropdown > Total estimate.	
LiquidatedDamageOverallCap	Overall cap value of the Liquidated damages for the InEight Contract. This value shows in the UI in Project > Contract > Contract details > Liquidated damages dropdown > Overall cap Value.	
CustomList1	Value (if any) of data in Custom list 1 field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom list 1.	
CustomList2	Value (if any) of data in Custom list 2 field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom list 2.	
ProjectISOCountrycode	ISO country code for the project the contract was created for. This value shows in the UI in Project > Project details > Country/Region.	US

Name	Description	Example
RequisitionNumber	A free-form text field that can be manually filled by a user via the Contract UI. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Requisition ID.	ANBC123456
RequisitionValue	An open numeric (decimal) field that can be manually filled by a user via the Contract UI. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Requisition value.	50000.00
IsExternalCreatedPurchaseOrder	This field indicates whether the contract is added in the UI or imported externally via Purchase Order API. Possible values are: • True – Contract created externally via APIM. • False – Contract manually added in the UI.	False
ShippingAddress	Array header for the shipping address information defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Delivery address.	
DisplayId	Unique display ID for the shipping address. This value shows in the UI in Project > Project settings > Contract > Contracts > Delivery address.	101
StreetName	Full street address in shipping information defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Delivery address.	16203 Manchester Way
CityName	Name of the city in shipping address information defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Delivery address.	Manchester
Region	State, region, or province in shipping address information defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Delivery address.	CO
CountryCode	ISO code of the country in shipping address information defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Delivery address.	US
PostalCode	Postal code of shipping address information defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Delivery address.	85200

Name	Description	Example
TaxJurisdiction	Tax jurisdiction of shipping address defined in InEight Contract. This value shows in the UI in Project > Project settings > Contract > Contracts > Delivery address > Tax jurisdiction code.	0000001234
ContractDetail	Array header for contract detail fields. Each set of fields in the contract detail section of the JSON represents a line item in the purchase order. This section can repeat as needed to cover all lines in the purchase order. This value shows in the UI in Project > Contract > Contract details > Line items.	
ContractDetailReference	Unique reference to the line item of the contract. This value shows in the UI in Project > Contract > Contract details > Line items > Line item ID.	001
ContractDetailSourceSystemId	Line item internal ID that is unique across all the contracts maintained in the InEight cloud platform. There is internal unique id for line item which is not shown in the UI.	1
ContractDetailType	Type of detail represented by the line item of the contract. The following values are sent: • Service • Limit • Material • Credit **NOTE:** For Microsoft Dynamics, credit and limit line types cannot be used. Credits must be handled as a separate PO. For limit operations, a material line item with quantity that matches the price ($1 per quantity) that can be decremented as needed. This value shows in the UI in Project > Contract > Contract details > Line items > Type.	Material
Description	Description of the line item. This value shows in the UI in Project > Contract > Contract details > Line items > Description.	Credit return
LongDescription	Detailed description of the line item field captured in in InEight Contract UI. This value shows in the UI in Project > Contract > Contract details > Line items > Long description.	
MaterialReference	Unique identifier of a material associated to the line item (if present). The value comes from the Display ID of the material provided by an external system. This value shows in the UI in Project > Contract > Contract details > Line items > Material ID.	000002433000

Name	Description	Example
MaterialGroupReference	Unique identifier of a material group associated to the line item (if present). The value comes from the Display ID of the material group provided by an external system. This value shows in the UI in Project > Contract > Contract details > Line items > Product Category.	3010000
CreatedByReference	Display ID of the user that created the line item in the contract.	90239802
UpperLimit	Upper limit value for Limit line item type. This value shows in the UI in Project > Contract > Contract details > Line items > Upper limit.	15000
LowerLimit	Lower limit value for Limit line item type. This value shows in the UI in Project > Contract > Contract details > Line items > Lower limit.	10000
Quantity	Quantity of the specific item being purchased in the line item. **NOTE:** Zero and negative numbers are not allowed. This value shows in the UI in Project > Contract > Contract details > Line items > Quantity.	715388.00000
UnitOfMeasureReference	Unit of measure represented by quantity. This must match a valid UOMSourceSystemId in the InEight cloud platform master data. This value shows in the UI in Project > Contract > Contract details > Line items > UoM.	EA
NetPrice	Calculated net value of the line item. This value shows in the UI in Project > Contract > Contract details > Line items > Net price.	123.45
UnitsPerPrice	Number of units per net price. This value shows in the UI in Project > Contract > Contract details > Line items > Per.	2
PriceUnitofMeasureReference	Unit of measure used for the net price. This value shows in the UI in Project > Contract > Contract details > Line items > UoM.	EA
TaxCodeReference	Tax code of the line item based on project settings in InEight Contract. The values provided in this field are predefined for each customer. This value shows in the Project Settings > Contract > Configuration > Tax settings > ERP Code	I1
DeliveryDate	Expected delivery date for received goods using the date format mm/dd/yyyy. This field is mapped to the Valid from field for the contract line item. This value shows in the UI in Project > Contract > Contract details > Line items > Valid from.	01/10/2022

Name	Description	Example
OrderDeliveryTolerance	Allowable tolerance percentage for delivered goods. Currently, a value of 15% will always be sent for this field. This value shows in the UI in Project > Contract > Contract details > Line items > Over delivery tolerance.	15.0
PlantReference	Plant associated to the project for which the contract is created. This value shows in the UI in Project > Project settings > Contract > Contracts > Project ERP attributes > Plant.	0161
StorageLocationReference	Storage location associated to the contract. This value shows in the UI in Project > Contract > Contract details > Storage location.	0001
DeletionIndicator	Indicator of whether the line item has been deleted from the contract. A value of X indicates that the line item has been deleted. After an item is deleted , it will be shown with a strike-through in the line item grid.	X
DeliveryCompleteIndicator	A value of X indicates that all expected deliveries for a line item have been completed. This is not shown in the UI.	X
ReturnPOFlag	Indicator of whether the PO line represents a return and the values sent in Amount fields represent a negative number. A value of X determines that it is a return. This is not shown in the UI.	X
InvoicePlanIndicator	Indicator of whether an Invoice Plan document must be created. A value of X indicates that there will not be any goods receipt for this contract. This value shows in the UI in Project > Contract > Contract details > Two-way match.	X
MaterialCharacteristicReference	Characteristic type of the material in the line item. The value in this field comes from the Source System ID of the material characteristic provided by an external system. A value is only sent in this field if a value was provided in the PO response and the outbound message is being processed after a change to the contract. This value shows in the UI in Project > Contract > Contract details > Line items > Material ID.	1123423
MaterialCharacteristic	Array header for material information. Each field in this section can be repeated as needed to include all information about the material being purchased.	

Name	Description	Example
MaterialCharacteristicType	Material characteristic types associated to the material selected in the line item. This value shows in the UI in Project > Contract > Contract details > Line items > Assign Material Attributes.	Pipe Size
MaterialCharacteristicValue	Value of the material characteristic type. This value shows in the UI in Project > Contract > Contract details > Line items > Assign Material Attributes.	3
ShippingAddress	Array header for shipping address information. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Delivery address.	
DisplayId	Unique display ID for the shipping address. This value shows in the UI in Project > Project settings > Contract > Contracts > Delivery address.	1
StreetName	Full street address for shipping information. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Delivery address.	16203 Manchester Way
CityName	Name of the city in shipping address information. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Delivery address.	Manchester
Region	State, region, or province for shipping address information. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Delivery address.	CO
CountryCode	ISO code of the country for shipping address information. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Delivery address.	US
PostalCode	Postal code for shipping address information. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Delivery address.	85200
TaxJurisdiction	Tax jurisdiction of the shipping address. This value shows in the UI in Project > Project settings > Contract > Contracts > Delivery address > Tax jurisdiction code.	0000001234

Name	Description	Example
AccountAssignmentCategory	Value of the account assignment category of the line item. The value sent in this field is based on user selection in field. Possible values are: • WBS • Cost Center This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Account assignment type.	WBS
CDSSplitMethod	If the contact line item is assigned to multiple cost items, this field determines the method of assigning values to each cost item, which can be: • Percentage • Value • Quantity This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Split type dropdown.	Percentage
ContractDetailCostItem	Array header for cost item association records. At least one set of records will be provided in this array. If the line item has not been split, the array will contain only one set. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > WBS code grid.	
SplitByValue	If the line item has been split, this field will contain the value of the individual split associated to a cost item reference. The value in the field must be taken in conjunction with the CDS Split Method. For example, if the CDS Split Method is percentage and this field contains a value of 15, then 15% of the line item total should be applied to the associated cost item in this set of records. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Split type column.	15
AccountAssignmentLineNumber	Sequential split number to which the cost item reference is associated. This is not shown in the UI.	1
CostItemReference	Unique reference to the cost item associated to the account assignment line number. This value shows in the UI in Project > Contract > Contract details > Line items > WBS Code.	103541.1109
CostItemSourceSystemId	Cost item internal ID that is unique for all projects maintained in the InEight cloud platform. This is not shown in the UI.	1
CostCenterReference	Unique reference to the cost center associated to the line number. User has the option to choose between WBS line or cost center line. This value shows in the UI in Project > Contract > Contract details > Line items > Cost Center	4567

Name	Description	Example
AccountingLedgerReference	General ledger (GL) account number associated to the cost item, if a specific GL account was selected in the line item. The values in this field are predefined by the customer. This value shows in the UI in Project > Contract > Contract details > Line items > General ledger account.	540310
CreatedByReference	Display ID of the user that created the cost item association. This is not shown in the UI.	00169998
DeletionIndicator	Indicator of whether the cost item split association was soft deleted. A value of X indicates that the split association was soft deleted. This value shows in the UI in Project > Contract > Contract details > Line items > Line strike through.	X
Comments	Free-form text field about the line item entered via the Contracts user interface. This value shows in the UI in Project > Contract > Contract details > Line items > Comments.	This is a line item
RetentionPercent	Percentage of retention for the line item of the contract. This value shows in the UI in Project > Contract > Contract details > Line items > Retention percent.	10.00000
FairMarketValue	Value of the fair market value for the line item. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Assign equipment details > Fair market value	$1000.00
EquipmentPrefix	Value of the equipment prefix/type for the line item. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Assign equipment details > Equipment prefix/type.	This is equipment
RentalType	This field is not used any more.	Rent to Purchase
NAICSCode	This field is not used any more.	1232.345.224445
WBSCategoryReference	Selection of the WBS category for the line item. • Consumable: WBS-C • Permanent: WBS-P • Rental: WBS-R The allowed options for this field can be configured per customer in contracts. This value shows in the UI in Project > Contract > Contract details > Line items > WBS category.	WBS-C
NoFurtherInvoiceIndicator	A value of X will be sent when the contract has been closed and no further invoices are expected. This is not shown in the UI.	X

Name	Description	Example
GoodsReceiptStatus	Indicator of whether a goods receipt record is expected for the line item. A value of X indicates that a goods receipt record is expected. This value shows in the UI in Project > Contract > Contract details > Line items > Goods Receipt.	X
CustomField1	Value (if any) of data in Custom Field 1 defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Line items > Custom field 1.	
CustomField2	Value (if any) of data in Custom Field 2 defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Line items > Custom field 2.	
CustomField3	Value (if any) of data in Custom Field 3 defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Line items > Custom field 3.	
CustomField4	Value (if any) of data in Custom Field 4 defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Line items > Custom field 4.	
CustomField5	Value (if any) of data in Custom Field 5 defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Line items > Custom field 5.	
UOMId	Internal unique ID for UOM used in line item. This I internal unique id for unit of measure. This is not shown in the UI.	1234
CountryOfOrigin	Value (if any) of data in Country of origin field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Line items > Country of origin.	USA
HarmonizedTariffSchedule	Do not use; obsolete field	
ValidThroughDate	Value (if any) of data in Valid through field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Line items > Valid through.	01/21/2021
CustomList1	Value (if any) of data in Custom list 1 field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Line items > Custom list 1.	
CustomList2	Value (if any) of data in Custom list 2 field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Line items > Custom list 2.	

Name	Description	Example
DiversityParticipationPercent	Value (if any) of data in Diversity participation percent field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Diversity participation Percent %.	15
DiversityParticipationValue	Value (if any) of data in Diversity participation value field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Line items > Diversity participation amount.	200
IsTaxable	This field indicates whether the line item in InEight is marked as taxabke or non-taxable. This value shows in the UI in Project > Contract > Contract details > Line items > Is taxable.	True
ContractDetailTaxAmount	Indicates the line item estimated tax amount. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then estimated tax amount is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the estimated tax is based on it. This value shows in the UI in Project > Contract > Contract details > Line items > Tax amount.	10000
TaxAmountProjectCurrency	Indicates the line item estimated tax amount in project currency. Exchange rate is based on exchange rates stored in Platform project details. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then estimated tax amount is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the estimated tax is based on it. This is not shown in the UI.	11000
ContractDetailEstimatedTax	Array of tax break out for the estimated tax. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then estimated tax break out is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the estimated tax break out is based on it. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Tax details.	110000

Name	Description	Example
TaxCode	Tax code value for the tax break out. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then tax code is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the tax code is based on it. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Tax details > Description.	GST/HST
Description	Tax description value for the tax break out. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then tax description is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the tax description is based on it. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Tax details > Descrtiption.	This is GST related tax
TaxAmount	Tax amount for each tax code. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Tax details > Value.	
TaxRate	Tax rate for each tax code. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then tax rate is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the tax rate is based on it. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Tax details > Rate %.	12
CurrencyReference	Contract currency code of the TaxAmount field. This value shows in the UI in Project > Contract > Contract details > Contract currency.	USD
TaxAmountProjectCurrency	Tax amount for each tax code in project currency. This is not shown in the UI.	1000
ProjectCurrencyReference	Project currency code of the TaxAmount field. This value shows in the UI in Project > Contract > Project details > Base currency.	CAD
SourceSystemId	Uniue ID for each tax break up. This field can be empty (null). This is not shown in the UI.	GST.1000.USD

Name	Description	Example
IncludeInCommittedCost	Indicates if the tax can be included in committed cost calculation. This is based on project setting value stored for that tax code. This value shows in the UI in Project Settings> Contract > Tax Settings	True

Sample JSON


```
{
"Contract": {
   "ContractReference": 7200010058,
   "ContractTypeReference": "ZHSC",
   "VendorReference": "RDPL",
   "PurchasingOrganizationReference": "0100",
   "PurchasingGroupReference": "010",
   "LegalEntityReference": "1000",
   "PaymentTermReference": "P000",
   "CurrencyReference": "USD",
   "INCOTerms": "Z05",
   "INCOTermLocation": "",
   "CreatedByReference": "00233076",
   "CreatedDate": "04/21/2020",
   "GRNonValuatedFlag": "true",
   "LogToken": "3dfc63ac-238f-47f0-a07f-3fed02db8562",
   "ProjectReference": "2019-EtoE-2",
   "ProjectSourceSystemId": 93,
   "AgreementNumber": "",
   "AgreementValue": "",
   "PurchaseOrderNumber": "",
   "PurchaseOrderValue": "",
   "CustomField1": "",
   "CustomField2": "",
   "CustomField3": "",
   "CustomField4": "",
   "CustomField5": "",
   "CustomField6": "",
   "CustomField7": "",
   "CustomField8": "",
   "CustomField9": "",
   "CustomField10": "",
   "RemainingToBuy": "",
   "ContractStatus": "Executed",
   "Description": "Test Contract Description",
   "ContractSubTypeReference": "ABCD",
   "EffectiveDate": "04/21/2020",
   "StorageLocationReference": "1",
   "CountryOfOrigin": "USA",
   "InvoicePlanIndicator": "",
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   "RetentionAmount": 1000,
   "Discipline": "Bulk Commodities",
   "ScopeOfContract": "Bulk Commodities",
   "BidPackageReference": "0012",
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"BidPackageOriginalBaseValue": 100.00,
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"BidPackageUnawardedAdjustment": 300.00,
"BidPackageOwnerChangeAmount": 100.00,
"BidPackageTotalEstimate": 800.00,
"LiquidatedDamageOverallCap": 500.00,
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"CustomList2": "",
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"RequisitionValue": 100.75,
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      "PostalCode": "80124",
      "TaxJurisdiction": ""
      }
   ],
"ContractDetail": [
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   "ReturnPOFlag": "",
"ContractReference": 7200010058,
   "ContractDetailReference": 1,
   "ContractDetailSourceSystemId": 408,
   "ContractDetailType": "Service",
   "Description": "Plumbing and HVAC",
   "MaterialReference": "",
   "MaterialGroupReference": "23200000",
   "CreatedbyReference": "00233076",
   "Quantity": 252150.0,
   "UpperLimit": "",
   "LowerLimit": "",
   "UnitOfMeasureReference": "SF",
   "UOMId": 1,
   "NetPrice": 24.81,
   "UnitsPerPrice": 1,
   "PriceUnitOfMeasureReference": "SF",
   "TaxCodeReference": "I1",
   "DeliveryDate": "04/21/2020",
   "OrderDeliveryTolerance": 0.0,
   "PlantReference": "1021",
   "StorageLocationReference": "1",
   "DeletionIndicator": "",
   "DeliveryCompleteIndicator": "",
   "InvoicePlanIndicator": "",
   "MaterialCharacteristic": [],
   "ShippingAddress": [
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      "DisplayId": 1,
      "StreetName": "Trainstation Circle ",
```

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        "Region": "CO",
        "CountryCode": "US",
        "PostalCode": "80124",
        "TaxJurisdiction": ""
        }
    ],
    "AccountAssignmentCategory": "WBS",
    "CDSSplitMethod": "",
    "ContractDetailCostItem": [
        {
        "SplitByValue": "",
        "AccountAssignmentLineNumber": 1,
        "CostItemReference": "2019-EtoE-2.1260",
        "CostItemSourceSystemId": 20724,
        "AccountingLedgerReference": "530110",
        "CreatedbyReference": "00233076",
        "DeletionIndicator": "",
        "CostCenterReference": ""
        }
    ],
    "Comments": "",
    "RetentionPercent": 5.0,
    "FairMarketValue": "",
    "EquipmentPrefix": "",
    "EquipmentTypeId": "",
    "RentalType": "",
    "NAICScode": "",
    "WBSCategoryReference": "WBS-P",
    "NoFurtherInvoiceIndicator": "",
    "GoodsReceiptStatus": "X",
    "CustomField1": "",
    "CustomField2": "",
    "CustomField3": "",
    "CustomField4": "",
    "CustomField5": "",
    "LongDescription": "",
    "CountryOfOrigin": "USA",
    "HarmonizedTariffSchedule" : "Test 123",
    "ValidThroughDate": "09/21/2020",
    "CustomList1": "",
    "CustomList2": "",
    "DiversityParticipationPercent": 5.0,
    "DiversityParticipationValue": 50.0,
    "IsTaxable": false,
    "ContractDetailTaxAmount": 195015.17,
    "TaxAmountProjectCurrency": 195015.17,
    "ContractDetailEstimatedTax": [
        {
        "TaxCode": "US Tax",
        "Description": "US Tax",
        "TaxAmount": 0.0,
        "TaxRate": 0.0,
        "CurrencyReference": "USD",
        "TaxAmountProjectCurrency": 0.0,
        "ProjectCurrencyReference": "USD",
        "SourceSystemId": "",
```

```
            "IncludeInCommittedCost": true
            },
            {
            "TaxCode": "blank tax",
            "Description": "blank tax",
            "TaxAmount": 31969.7,
            "TaxRate": 10.0,
            "CurrencyReference": "USD",
            "TaxAmountProjectCurrency": 31969.7,
            "ProjectCurrencyReference": "USD",
            "SourceSystemId": "",
            "IncludeInCommittedCost": true
            }
        ]
    }
    ]
}
}
```


Verification

After the purchase order is published, check the data in the ERP system to verify if it matches the Contract Sync Log data. The InEight Contract sync log shows Success in the ERP Status column.

If the ERP system successfully received the purchase order data, then the ERP system will acknowledge the same via success/error message.

Purchase Order (Response)

This integration is typically used for external system verification of contracts created within InEight Contract, where it is used as a response to the Purchase Order Request. An alternative to this function is that the API can be used to populate data into a new contract from an external system (see Sample 4). After data is populated in the contract, it functions as a standard contract.

Direction		To InEight Contract
Frequency		At least one response is expected per request, but several responses can occur as a purchase order changes status in the external system. For external purchase order, user can send multiple contracts in same payload.
Trigger Method(s)		Determined by external system.
Average Payload Size		Supports multiple contract responses sent in one message.
API Name		Upsert PurchaseOrder
InEight Contract	**Starting Version**	18.1
	Ending Version	

Fields

Depth	Name	Type	Precision[1]	Parent	Req. for PO Response	Req. for External PO
1	ContractReference	String	10		Yes	No
1	CurrentValue	Decimal	16,5		No	No
1	CurrentValueProjectCurrency	Decimal	16,5		No	No
1	LogToken	String	50		Yes	No
1	Status	String	50		Yes	No
1	Logger	Array	NA		No	No
2	Level	String	50	Logger	No	No
2	Message	String	500	Logger	No	No
1	ContractTypeReference	String	50		No	Yes
1	VendorReference	String	50		No	No
1	PurchasingOrganizationReference	NA	NA		No	No
1	PurchasingGroupReference	NA	NA		No	No
1	LegalEntityReference	NA	NA		No	No
1	CurrencyReference	String	10		No	No
1	PaymentTermReference	String	50		No	No

Depth	Name	Type	Precision[1]	Parent	Req. for PO Response	Req. for External PO
1	INCOTerms	String	50		No	No
1	INCOTermLocation	String	250		No	No
1	CreatedByReference	String	250		No	Yes
1	CreatedDate	String	Date		No	No
1	GRNonValuatedFlag	NA	NA		No	No
1	AgreementNumber	String	20		No	No
1	AgreementValue	Number	16,5		No	No
1	PurchaseOrderNumber	String	20		No	No
1	PurchaseOrderValue	Number	16,5		No	No
1	ProjectReference	String	200		No	Yes
1	ProjectSourceSystemId	Number	10		No	No
1	RequsitionNumber	String	50		No	No
1	RequsitionValue	Decimal	16,5		No	No
1	IsExternalCreatedPurchaseOrder	Bit	1		No	Yes
1	CustomField1	String	500		No	No
1	CustomField2	String	500		No	No
1	CustomField3	String	500		No	No
1	CustomField4	String	500		No	No
1	CustomField5	String	500		No	No
1	CustomField6	String	500		No	No
1	CustomField7	String	500		No	No
1	CustomField8	String	500		No	No
1	CustomField9	String	500		No	No
1	CustomField10	String	500		No	No
1	RemainingToBuy	Decimal	16,5		No	No
1	ContractStatus	String	50		No	No
1	Description	String	500		No	No
1	ContractSubTypeReference	String	50		No	No
1	EffectiveDate	String	Date		No	No
1	StorageLocationReference	String	500		No	No
1	CountryOfOrigin	String	50		No	No
1	InvoicePlanIndicator	String	1		No	No

Depth	Name	Type	Precision[1]	Parent	Req. for PO Response	Req. for External PO
1	RetentionPercent	Decimal	16,5		No	No
1	RetentionAmount	Decimal	16,5		No	No
1	Discipline	String	500		No	No
1	BidPackageReference	Number	10		No	No
1	BidPackageOriginalBaseValue	Decimal	16,5		No	No
1	BidPackageContingencyEstimate	Decimal	16,5		No	No
1	BidPackageEscalationEstimate	Decimal	16,5		No	No
1	BidPackageUnawardedAdjustment	Decimal	16,5		No	No
1	BidPackageOwnerChangeAmount	Decimal	16,5		No	No
1	BidPackageTotalEstimate	Decimal	16,5		No	No
1	LiquidatedDamageOverallCap	Decimal	16,5		No	No
1	CustomList1	String	500		No	No
1	CustomList2	String	500		No	No
1	ScopeOfContract	String	500		No	No
1	ProjectISOCountrycode	String	50		No	No
1	ShippingAddress	Array	NA		No	No
2	DisplayId	Number	10	ShippingAddress	No	No
2	StreetName	NA	NA	ShippingAddress	No	No
2	CityName	NA	NA	ShippingAddress	No	No
2	Region	NA	NA	ShippingAddress	No	No
2	CountryCode	NA	NA	ShippingAddress	No	No
2	PostalCode	NA	NA	ShippingAddress	No	No
2	TaxJurisdiction	NA	NA	ShippingAddress	No	No
1	ContractDetailResponse	Array	NA		Yes	Yes
2	ContractDetailReference	String	10	ContractDetailResponse	Yes	Yes
2	GrossAmount	Decimal	16,5	ContractDetailResponse	No	No
2	GrossAmountProjectCurrency	Decimal	16,5	ContractDetailResponse	Yes	No
2	NetValuewithoutTax	Decimal	16,5	ContractDetailResponse	Yes	No
2	NetValueWithoutTaxProjectCurrency	Decimal	16,5	ContractDetailResponse	Yes	No
2	TaxTotal	String	16,5	ContractDetailResponse	Yes	No
2	TaxTotalProjectCurrency	String	50	ContractDetailResponse	Yes	No
2	ContractDetailTax	Array	NA	ContractDetailResponse	No	No

Depth	Name	Type	Precision[1]	Parent	Req. for PO Response	Req. for External PO
2	TaxCode	String	10	ContractDetailTax	No	No
3	Description	String	250	ContractDetailTax	No	No
3	TaxAmount	Number	16,5	ContractDetailTax	No	No
3	TaxRate	Number	16,5	ContractDetailTax	No	No
3	CurrencyReference	String	10	ContractDetailTax	No	No
3	TaxAmountProjectCurrency	Number	16,5	ContractDetailTax	No	No
3	ProjectCurrencyReference	Number	16,5	ContractDetailTax	No	No
3	SourceSystemId	String	50	ContractDetailTax	No	No
3	IncludeInCommittedCost	String	10	ContractDetailTax	No	No
2	ContractDetailType	String	50	ContractDetailResponse	No	Yes
2	Description	String	500	ContractDetailResponse	No	No
2	MaterialReference	String	50	ContractDetailResponse	No	No
2	MaterialGroupReference	String	50	ContractDetailResponse	No	No
2	CreatedbyReference	String	500	ContractDetailResponse	No	No
2	Quantity	Decimal	16,5	ContractDetailResponse	No	Yes (non limit line)
2	UnitOfMeasureReference	String	50	ContractDetailResponse	No	Yes (non limit line)
2	NetPrice	Decimal	16,5	ContractDetailResponse	No	No
2	UnitsPerPrice	Decimal	16,5	ContractDetailResponse	No	Yes (non limit line)
2	PriceUnitOfMeasureReference	String	50	ContractDetailResponse	No	No
2	TaxCodeReference	String	50	ContractDetailResponse	No	No
2	DeliveryDate	String	Date	ContractDetailResponse	No	No
2	OrderDeliveryTolerance	NA	NA	ContractDetailResponse	No	No
2	PlantReference	NA	NA	ContractDetailResponse	No	No
2	StorageLocation	NA	NA	ContractDetailResponse	No	No
2	StorageLocationReference	NA	NA	ContractDetailResponse	No	No
2	DeletionIndicator	NA	NA	ContractDetailResponse	No	No
2	DeliveryCompleteIndicator	NA	NA	ContractDetailResponse	No	No
2	InvoicePlanIndicator	NA	NA	ContractDetailResponse	No	No
2	ReturnPOFlag	NA	NA	ContractDetailResponse	No	No
2	MaterialCharacteristicReference	NA	NA	ContractDetailResponse	No	No

Depth	Name	Type	Precision[1]	Parent	Req. for PO Response	Req. for External PO
2	MaterialCharacteristic	Array	NA	ContractDetailResponse	No	No
3	MaterialCharacteristicType	NA	NA	MaterialCharacteristic	No	No
3	MaterialCharacteristicValue	NA	NA	MaterialCharacteristic	No	No
2	ShippingAddress	Array	NA	ContractDetailResponse	No	No
3	DisplayId	Number	10	ShippingAddress	No	No
3	StreetName	NA	NA	ShippingAddress	No	No
3	CityName	NA	NA	ShippingAddress	No	No
3	Region	NA	NA	ShippingAddress	No	No
3	CountryCode	NA	NA	ShippingAddress	No	No
3	PostalCode	NA	NA	ShippingAddress	No	No
3	TaxJurisdiction	NA	NA	ShippingAddress	No	No
2	AccountAssignmentCategory	NA	NA	ContractDetailResponse	No	Yes
2	CDSSplitMethod	NA	NA	ContractDetailResponse	No	Yes (for split lines)
2	ContractDetailCostItem	Array	NA	ContractDetailResponse	No	No
3	SplitByValue	NA	NA	ContractDetailCostItem	No	Yes (for split lines)
3	AccountAssignmentLineNumber	NA	NA	ContractDetailCostItem	No	No
3	CostItemReference	NA	NA	ContractDetailCostItem	No	No
3	GLAccountReference	NA	NA	ContractDetailCostItem	No	No
3	CostItemSourceSystemId	NA	NA	ContractDetailCostItem	No	No
3	AccountingLedgerReference	String	250	ContractDetailCostItem	No	No
3	CreatedByReference	NA	NA	ContractDetailCostItem	No	No
3	DeletionIndicator	NA	NA	ContractDetailCostItem	No	No
2	Comments	NA	NA	ContractDetailResponse	No	No
2	RetentionPercent	Decimal	16,5	ContractDetailResponse	No	No
2	FairMarketValue	Decimal	16,5	ContractDetailResponse	No	No
2	EquipmentPrefix	NA	NA	ContractDetailResponse	No	No
2	RentalType	NA	NA	ContractDetailResponse	No	No
2	NAICScode	NA	NA	ContractDetailResponse	No	No
2	WBSCategoryReference	NA	NA	ContractDetailResponse	No	No
2	NoFurtherInvoiceIndicator	NA	NA	ContractDetailResponse	No	No
2	GoodsReceiptStatus	NA	NA	ContractDetailResponse	No	No

Depth	Name	Type	Precision[1]	Parent	Req. for PO Response	Req. for External PO
2	IsTaxable	String	10	ContractDetailResponse	No	No
2	LongDescription	String	1000	ContractDetailResponse	No	No
2	CountryOfOrigin	String	10	ContractDetailResponse	No	No
2	LowerLimit	Decimal	16,5	ContractDetailResponse	No	Yes (for limit lines)
2	UpperLimit	Decimal	16,5	ContractDetailResponse	No	Yes (for limit lines)
2	ValidThroughDate	String	Date	ContractDetailResponse	No	No
2	DiversityParticipationPercent	Decimal	16,5	ContractDetailResponse	No	No
2	DiversityParticipationValue	Decimal	16,5	ContractDetailResponse	No	No
2	HarmonizedTariffSchedule	String	250	ContractDetailResponse	No	No
2	CustomList1	String	250	ContractDetailResponse	No	No
2	CustomList2	String	250	ContractDetailResponse	No	No
2	CustomField1	String	500	ContractDetailResponse	No	No
2	CustomField2	String	500	ContractDetailResponse	No	No
2	CustomField3	String	500	ContractDetailResponse	No	No
2	CustomField4	String	500	ContractDetailResponse	No	No
2	CustomField5	String	500	ContractDetailResponse	No	No
2	ContractReference	Number	10	ContractDetailResponse	No	No
2	MasterAgreementContractDetailReference	String	10	ContractDetailResponse	No	No
2	UOMId	NA	NA	ContractDetailResponse	No	No
2	EquipmentTypeId	NA	NA	ContractDetailResponse	No	No

1 - For numeric data types, precision is given as total digits allowed in the field and the number of those digits that exist to the right of the decimal. For example, 16,5 represents a total of 16-digits allowed in the field with 5 of those digits existing as decimal places and 11 digits on the left of the decimal. The decimal is not counted as a digit.

Field Descriptions

Name	Description	Example
ContractReference	Contract reference matching with contract number field in the UI. This value shows in the UI in Project > Contract > Contract register > ID.	7300000016
CurrentValue	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	

Name	Description	Example
CurrentValueProjectCurrency	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
LogToken	Returns the LogToken for the confirmation of the purchase order being received, and all Status updates. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP log token ID.	f0abb367-8e49-4e4c-9a92-ff26d4be55bf
Status	Confirmation status for the purchase order request. If Success is sent, the contract will be updated. Valid values are: • SUCCESS • ERROR This value shows in the UI in Project > Contract > Contract details > Sync log > ERP Status.	SUCCESS
Logger	Array header for sending error messages in the response message. User can send multiple error messages (both error level and actual message) as array of values.	
Level	Indicates the severity of the error. Examples of the values include: • INFO • DEBUG • ERROR	ERROR
Message	Actual error message detailing exception of the issue. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP log token ID > Click on that > Error Message	Accounting assignment mistamtch due to incorrect WBS code.
ContractTypeReference	Contract type code matching the InEight cloud platform contract ERP document type values. This value shows in the UI in Project > Contract > Contract details > Type.	Material
VendorReference	Vendor display ID matching the InEight cloud platform vendor master data. This value shows in the UI in Project > Contract > Contract details > Vendor.	000123456
PurchasingOrganizationReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
PurchasingGroupReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
LegalEntityReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
PaymentTermReference	Payment term code matching the InEight cloud platform payment term code in master data. If vendor is provided, this will default from vendor master data if left blank. This value shows in the UI in Project > Contract > Contract details > Payment term.	P030

Name	Description	Example
CurrencyReference	Currency code matching the InEight cloud platform currency code master data. This will be defaulted from vendor data. If vendor data is not available, this will be defaulted from project currency. This value shows in the UI in Project > Contract > Contract details > Contract currency.	USD
INCOTerms	The International Commercial terms (INCOterms) code matching with InEight cloud platform INCOterms in master data. If the Vendor Data is provided, this should default from vendor master if this field is empty. This value shows in the UI in Project > Contract > Contract details > Incoterms.	FOB
CreatedByReference	Display ID or email address of the user matching InEight cloud platform user data. This value shows in the UI in Project > Contract > Contract register > Added by.	Test.user@email.com
CreatedDate	Date that the contract was created using the format mm/dd/yyyy. This value shows in the UI in Project > Contract > Contract register > Added on.	10/26/2022
AgreementNumber	A free-form text field that can be manually filled by a user via the Contract UI or filled in the integration response message or the value from a dropdown representing association to a Master Agreement ID in InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Agreement ID.	5560789536
AgreementValue	An open numeric (decimal) field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Agreement value.	20,000,000.00
PurchaseOrderNumber	A free-form text field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Purchase order ID.	6203587410

Name	Description	Example
PurchaseOrderValue	An open numeric (decimal) field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Purchase order value.	150,000.00
IsExternalCreatedPurchaseOrder	Indicates if this is an externally created contract or purchase order response message. If the value is *True* then the message will be created as External purchase order message, otherwise, it will be treated as purchase order response message. The default value is *False*. This is not shown in the UI.	false
Description	A description of the contract. This value shows in the UI in Project > Contract > Contract details > Description.	
EffectiveDate	This is the effective date for the contract. This value shows in the UI in Project > Contract > Contract details > Effective date.	10/16/2022
ContractStatus	This field indicates contract status name. This should match with the contract status names stored in InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Contract status.	Draft
ContractSubTypeReference	Contract sub type name. This should match with the contract sub type names stored in InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Subtype.	
InvoicePlanIndicator	Indicates whether 2-way match toggle should be set or not. When set to True, no goods receipts will be expected and the line will not be available for goods receipts within the InEight contract. This value shows in the UI in Project > Contract > Contract details > Two-way match.	true
Discipline	Discipline for purchase order. This should match the discipline name of the discipline master data in InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Discipline.	Building
ScopeOfContract	A free-form text field for the scope of the contract. This value shows in the UI in Project > Contract > Contract details > Scope of contract.	Test scope of contract

Name	Description	Example
RetentionPercent	Retention percent for purchase order. This value shows in the UI in Project > Contract > Contract details > Retention dropdown > Contract retention Percent.	10
LiquidatedDamageOverallCap	Liquidated damage overall cap. This value shows in the UI in Project > Contract > Contract details > Liquidated damages dropdown > Overall cap.	1000
HarmonizedTariffSchedule	Do not use; Obsolete field	
CountryOfOrigin	Country of origin for contract. This should match with the country code master data in InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Country of origin.	CAD
RequsitionNumber	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Requisition ID.	ABC123
RequsitionValue	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Requisition value.	123456.78
CustomField1	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 1.	
CustomField2	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 2.	
CustomField3	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 3.	
CustomField4	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 4.	
CustomField5	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 5.	
CustomField6	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 6.	

Name	Description	Example
CustomField7	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 7.	
CustomField8	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 8.	
CustomField9	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 9.	
CustomField10	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom field 10.	
INCOTermLocation	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Incoterm location.	
GRNonValuatedFlag	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
RemainingToBuy	Remaining to buy value. This value shows in the UI in Project > Contract > Contract register > Remaining to buy.	4567.89
StorageLocationReference	Display ID of the storage location selected for that project plant. This value shows in the UI in Project > Contract > Contract details > Storage location.	TestLoc1
ProjectReference	Project display ID matching the InEight cloud platform Project display ID. This value shows in the UI in Project > Project details > Project ID.	104270
ProjectSourceSystemId	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
RetentionAmount	Retention amount for purchase order. This value shows in the UI in Project > Contract > Contract details > Retention dropdown > Contract retention Value.	442
BidPackageReference	Bid Package display ID that is associated with the purchase order. This should match the InEight cloud platform data. This value shows in the UI in Project > Contract > Contract register > Bid package ID.	134
BidPackageOriginalBaseValue	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	

Name	Description	Example
BidPackageContingencyEstimate	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
BidPackageEscalationEstimate	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
BidPackageUnawardedAdjustment	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
BidPackageOwnerChangeAmount	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
BidPackageTotalEstimate	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
CustomList1	Custom list 1 field for the purchase order. This value must match the InEight cloud platform custom list 1 values. This value shows in the UI in Project > Contract > Contract details > Custom fields dropdown > Custom list 1.	TestCL1
CustomList2	Custom list 2 field for the purchase order. This value must match the InEight cloud platform custom list 2 values. This value shows in the UI in Project > Contract > Contract details > Custom list dropdown > Custom list 2.	TestCl2
ProjectISOCountrycode	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	US
ShippingAddress	Array header for shipping address information. This value shows in the UI in Project > Contract > Contract details > Delivery address.	
DisplayId	Shipping address unique ID as shown in InEight cloud platform project setitng delivery address section. Used to associate line item with shipping address. This value shows in the UI in Project > Project settings > Contract > Contracts > Delivery address.	331
StreetName	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
CityName	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
Region	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
CountryCode	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
PostalCode	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
TaxJurisdiction	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	

Name	Description	Example
ContractDetailResponse	Array header for contract detail response fields. Each set of fields in the contract detail response section represents a line item in the purchase order. This section can repeat as needed to cover all lines in the PO. This value shows in the UI in Project > Contract > Contract details > Line items.	
ContractReference	Contract reference matching with contract number field in InEight cloud platform. This value shows in the UI in Project > Contract > Contract register > Contract ID.	720000354
ContractDetailReference	Contract line item reference matching with contract line item code field in InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Line items > Line item ID.	1
GrossAmount	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
GrossAmountProjectCurrency	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
NetValuewithoutTax	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
NetValueWithoutTaxProjectCurrency	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
TaxTotal	Total tax for all purchase order line items. This value should be passed if the line item has any tax. This value shows in the UI in Project > Contract > Contract details > Line items > Tax amount Total.	1022.33
TaxTotalProjectCurrency	Total tax for all purchase order line items in project currency. This value should be passed if the line item has any tax. This value shows in the UI in Project > Contract > Contract details > Line items > Tax amount Total.	1000
ContractDetailTax	Array of tax types and values for each contract detail line. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Tax details.	
TaxCode	Value representing a tax code applied to the line item. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Tax details > Description.	GST
Description	Short description of the tax code. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Tax details > Description.	Goods & Services Tax

Name	Description	Example
TaxAmount	Amount of tax for the tax code. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Tax details > Value.	154.77
TaxRate	Percentage rate used for the tax code. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Tax details > Rate %.	5.5
CurrencyReference	Currency code of the tax amount. This value shows in the UI in Project > Contract > Contract details > Contract currency.	USD
TaxAmountProjectCurrency	If the currency of the currency reference for the tax is different from the currency of the project, this is the amount of tax in the project currency code. This is not shown in the UI.	190.23
ProjectCurrencyReference	Currency code used for the project. This value shows in the UI in Project > Project details > Base currency.	CAD
SourceSystemId	Unique ID for the tax break up. This is not shown in the UI.	123456
IncludeInCommittedCost	Indicates if the tax should be included while calculating committed cost or not. Valid values are *true*, *false*, "" (empty), or null. If *true*, "" or null, then the tax will be included while calculating committed cost. This value shows in the UI in Project > Project settings > Contract > Configurations > Tax settings > Include in committed cost.	true
ContractDetailType	This field should contain the contract line-item type name matching with InEight cloud platform line-item type name, Material, Service, Credit or Limit. This value shows in the UI in Project > Contract > Contract details > Line items > Type.	Material
Description	Description of the line item. This value shows in the UI in Project > Contract > Contract details > Line items > Description.	
MaterialReference	Material ID matching the InEight cloud platform material master ID in master data. This value shows in the UI in Project > Contract > Contract details > Line items > Material ID.	0001234567
MaterialGroupReference	Material group (product category) matching the InEight cloud platform material master data. If the material ID is included, then material group will be taken from material master for that material. This value shows in the UI in Project > Contract > Contract details > Line items > Product category.	MBC

Name	Description	Example
CreatedbyReference	Display ID or email address of the user matching InEight cloud platform user data This is not shown in the UI.	Test.user@domain.com
Quantity	Quantity for contract line item (ignored for Limit lines). This value shows in the UI in Project > Contract > Contract details > Line items > Quantity.	12345.67
UnitOfMeasureReference	Unit of measure code for contract line item (ignored for Limit lines). This should match the Unit Of measure name or SKFUOM for the unit of measure. This value shows in the UI in Project > Contract > Contract details > Line items > UoM.	EA
NetPrice	Unit price for contract line item (ignored for Limit lines) This value shows in the UI in Project > Contract > Contract details > Line items > Net price.	10
UnitsPerPrice	Per price for contract line item (ignored for Limit lines). This value shows in the UI in Project > Contract > Contract details > Line items > Per.	1
PriceUnitOfMeasureReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
TaxCodeReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
DeliveryDate	Valid from date. This value shows in the UI in Project > Contract > Contract details > Line items > Valid from date,	10/10/2022
OverDeliveryTolerance	Overdelivery tolerence for line item. This value shows in the UI in Project > Contract > Contract details > Line items > Over delivery tolerance.	15
PlantReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
StorageLocationReferences	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
DeletionIndicator	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
DeliveryCompleteIndicator	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
InvoicePlanIndicator	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
ReturnPOFlag	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	

Name	Description	Example
MaterialCharacteristicReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
MaterialCharacteristic	Array header for material information. Each field in this section can be repeated as needed to include all information about the material being purchased.	
MaterialCharacteristicType	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
MaterialCharacteristicValue	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
ShippingAddress	Array header for shipping address information. This value shows in the UI in Project > Contract > Contract details > Line items > Delivery address.	
DisplayId	Shipping address unique ID as shown in InEight cloud platform project setting delivery address section. Used to associate line item with shipping address. This value shows in the UI in Project > Project settings > Contract > Contracts > Delivery address.	1234
StreetName	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
CityName	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
Region	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
CountryCode	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
PostalCode	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
TaxJurisdiction	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
AccountAssignmentCategory	Account assignment category for contract line item. Valid values are WBS or Cost Center. Default value is WBS. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Account assignment type.	WBS
CDSSplitMethod	Indicates whether line item is split line of single line. Default value is *single*. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Split type dropdown.	single

Name	Description	Example
ContractDetailCostItem	Array header for cost item association records. At least one set of records will be provided in this array. If the line item has not been split, the array will contain only one set. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > WBS code grid.	
SplitByValue	Indicates split by value for contract line item in case of split lines. Valid values for split lines are Quantity, Value, or Percent. Default value is blank. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Split type dropdown.	Percent
AccountAssignmentLineNumber	Account assignment line number is only required for split line. This is not shown in the UI.	1
CostItemReference	Cost item WBS phase code, which needs to match the cost item data in InEight cloud platform for the current project. This value shows in the UI in Project > Contract > Contract details > Line items > WBS code.	1006
CostItemSourceSystemId	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
AccountingLedgerReference	Accounting ledger/general ledger code, which needs to match the account ledger/general ledger master data in InEight cloud platform for the current project. This value shows in the UI in Project > Contract > Contract details > Line items > General ledger account.	520012
CostCenterReference	Cost center data. This can be free text or can match InEight cloud platform master data. This value shows in the UI in Project > Contract > Contract details > Line items > Cost center.	1234
CreatedByReference	Display ID or email address of the user that matches InEight cloud platform user data. This is not shown in the UI.	
DeletionIndicator	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
Comments	A free-form text field for comments. This value shows in the UI in Project > Contract > Contract details > Line items > Comments.	
FairMarketValue	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
EquipmentPrefix	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	

Name	Description	Example
RentalType	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
NAICScode	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
RetentionPercent	Retention percentage value for the line item. This value shows in the UI in Project > Contract > Contract details > Line items > Retention percent.	10
WBSCategoryReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
NoFurtherInvoiceIndicator	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
GoodsReceiptStatus	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
IsTaxable	Indicates whether the line item is taxable or not. If the value is set to *True*, then the line item will be marked as taxable for future calulation. This value shows in the UI in Project > Contract > Contract details > Line items > Line items slideout > Is taxable.	true
LongDescription	Free-form text field for a description. This value shows in the UI in Project > Contract > Contract details > Line items > Long description.	
CountryOfOrigin	Country of origin for line item, which must match with a country code master data in InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Line items > Country of origin.	US
LowerLimit	Lower limit value for limit lines. This value shows in the UI in Project > Contract > Contract details > Line items > Lower limit.	2000
UpperLimit	Upper limit value for limit lines. This value shows in the UI in Project > Contract > Contract details > Line items > Upper limit.	4000
ValidThroughDate	Valid through date for line item. This value shows in the UI in Project > Contract > Contract details > Line items > Valid through.	10/26/2022
DiversityParticipationPercent	Diversity percentage. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slide out > Diversity participation Percentage %.	10
DiversityParticipationValue	Diversity percentage value. This value shows in the UI in Project > Contract > Contract details > Line items > Diversity participation value.	1234
HarmonizedTariffSchedule	Do not use; Obsolete field	

Name	Description	Example
CustomList1	Custom list 1 field value for the line item. This value must match the InEight cloud platform custom list 1 values. This value shows in the UI in Project > Contract > Contract details > Line items > Custom list 1.	
CustomList2	Custom list 2 field value for the line item. This value must match the InEight cloud platform custom list 2 values. This value shows in the UI in Project > Contract > Contract details > Line items > Custom list 2.	
CustomField1	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Line items > Custom field 1.	Test custom field 1
CustomField2	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Line items > Custom field 2.	Test custom field 2
CustomField3	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Line items > Custom field 3.	Test custom field 3
CustomField4	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Line items > Custom field 4.	Test custom field 4
CustomField5	A free-form text field. This value shows in the UI in Project > Contract > Contract details > Line items > Custom field 5.	Test custom field 5
MasterAgreementContractDetailReference	If the Contract is associated with any InEight cloud platform master agreement, then this field can contain the master agreement line item code, which needs to be associated with the contract line item. This value shows in the UI in Project > Contract > Contract details > Line items > Agreement item ID.	1
UOMId	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
EquipmentTypeId	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	

Error Messages – (Purchase Order Response)

The following error messages are generated by the InEight cloud platform and products for this integration. Errors in the table below are distinguished by the process that checks for the error.

- Entity logic errors are performed internally in the InEight cloud platform and products to look for specific business rule or data integrity issues record-by-record. Failures with entity logic validations only cause the individual record to cease processing and are **written to internal logging**. No Error details is sent to the calling application.

API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated.	202	

Error Messages – (External Purchase order)

Below errors can be seen when the user accesses the Locaton url from the Response Header for external purchase order message.

Response Headers


```
{
  "access-control-allow-credentials": "true",
  "access-control-allow-origin": "https://ineightsuite-qa-253.hds.ineight.com",
  "access-control-expose-headers": "Request-Context",
  "cache-control": "no-store, must-revalidate, no-cache",
  "content-length": "3",
  "content-type": "application/json; charset=utf-8",
  "date": "Fri, 23 May 2025 16:25:02 GMT",
  "expires": "Fri, 23 May 2025 16:25:02 GMT",
  "location": "https://ineightsuite-qa-253.hds.ineight.com/ExternalSystem//Messages/ImportStatus?requestId=99d64837-5c
  "pragma": "no-cache",
  "request-context": "appId=cid-v1:43092f52-46aa-4752-b49a-d67dd6bdee64",
  "retry-after": "10",
  "server": "Microsoft-IIS/10.0",
  "strict-transport-security": "max-age=31536000; includeSubDomains; preload",
  "x-powered-by": "ASP.NET",
  "x-requestid": "a93fface-d4f1-4e1e-88c6-3162ffd1111"
}
```


API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated and External PO is created or updated.	202	Successfully created/updated Contract <<New Contract Id>> for Project <<Project Display>> for External purchase order <<Purchase order ID>>.
API Validation	Create by User not valid user	202	Invalid user for External PO Response
API Validation	Invalid Contract Type error	202	Error while saving contract for External PO. Errors: Invalid Contract Type.
API Validation	Invalid Line-Item Type error	202	Error while saving contract for External PO. Errors: Invalid Contract detail type.
API validation	line quantity is 0 or NULL	202	Error while saving contract for External PO. Errors: Quantity must be greater than zero.
API Validation	Invalid unit of measure	202	Error while saving contract for External PO. Errors: Valid unit of measure is required.
API Validation	Generic error	202	Error while saving contract for External PO

Sample JSON

Sample 1

Simplified response to provide a simple update, in this case indicating an ERROR to the request to create a purchase order.

```
[{

      "ContractReference": "7400000817",
      "CurrentValue": 393550.00,
      "CurrentValueProjectCurrency": "",
      "LogToken": "2730069d-f9ec-4b06-8bb6-b1646be27c3a",
      "Status": "ERROR",
      "Logger": [
         {
         "Level": "ERROR",
         "Message": "Purchase order still contains faulty items. Test 2"
         },{
         "Level": "INFO",
         "Message": "Change Price Unit could not be affected. Test 2"
         }
      ],
      "ContractTypeReference": "",
      "VendorReference": "",
      "PurchasingOrganizationReference": "",
      "PurchasingGroupReference": "",
      "LegalEntityReference": "",
      "PaymentTermReference": "",
      "ProjectCurrencyReference": "",
      "CurrencyReference": "",
      "INCOTerms": "",
      "CreatedByReference": "",
      "CreatedDate": "",
      "ContractDetailResponse": []

}]
```


Sample 2

Simplified response to provide a simple update, in this case indicating a SUCCESS to the request to create a purchase order.


```
[{

      "ContractReference": "10000150",
      "LogToken": "47dc2623-8177-4fb3-b23b-fe3c8e769d9c",
      "Status": "SUCCESS",
      "Logger": [
         {
            "Level": "INFO",
            "Message": "Updated - Line 2 Line 2Succesfully inserted for contract"
         },
         {
            "Level": "INFO",
            "Message": "Updated - Line 1 Order number 00001401ONwas successfully
generated and assigned to contract number 10000150 in InEight"
         }
      ],
      "PurchaseOrderNumber": "1401 ON",
      "ContractDetailResponse": [
         {
            "ContractReference": "10000150",
```

```
            "ContractDetailReference": "1"
         },
         {
            "ContractReference": "10000150",
            "ContractDetailReference": "2"
         }
      ]
}]
```


Sample 3

Extended response message to provide updates to the contract based on the creation of the purchase order in the ERP system Including Tax.


```
[{
   "ContractReference": "4200006652"
   "CurrentValue": 20000.00
   "CurrentValueProjectCurrency": 107556.00
   "LogToken": "4cF4d-ffd412a-ck8k6q"
   "Status": "SUCCESS" ,
   "Logger": [],
   "ContractTypeReference": "ZHSC",
   "VendorReference": "10012733",
   "PurchasingOrganizationReference": "0100",
   "PurchasingGroupReference": "010",
   "LegalEntityReference": "1037",
   "PaymentTermReference": "NT30",
   "CurrencyReference": "USD",
   "INCOTerms": "DDP",
   "CreatedbyReference": "00354709",
   "CreatedDate": "07/10/2017",
   "AgreementNumber": "ABCD1234",
   "AgreementValue": 9975697.65,
   "PurchaseOrderNumber": "123456YX",
   "PurchaseOrderValue": 4567894.45,
   "ContractDetailResponse": [
      {
      "ContractDetailReference": "1"
      "GrossAmount": 20000.00,
      "GrossAmountProjectCurrency": 20000.00,
      "NetValuewithoutTax": 17800.00,
      "NetValueWithoutTaxProjectCurrency": 17800.00,
      "TaxTotal": 500.00
      "TaxTotalProjectCurrency": 450.00
      "ContractDetailTax": [
         {
         "TaxCode": "GST"
         "Description": "Goods and Services Tax"
         "TaxAmount": 200,
         "TaxRate": 5.5,
         "CurrencyReference": "CAD"
         "TaxAmountProjectCurrency": 180
         "ProjectCurrencyReference": "USD",
         "SourcesystemId": "USXP1IA/P Sales Tax 1 Inv.",
         },
         {
```

```
        "TaxCode": "PST"
        "Description": "Professional Services Tax"
        "TaxAmount": 250
        "TaxRate": 9.5
        "CurrencyReference": CAD
        "TaxAmountInProjectCurrency": "270"
        "ProjectCurrencyReference": "USD",
        "SourcesystemId": "CAXP3EA/P Sales Tax 3 Exp.",
        }]
    "ContractDetailType": ""
    "Description": 'Permanent Materials"
    "MaterialReference": "1005000400"
    "MaterialGroupReference": "AAD"
    "CreatedbyReference": "00354709"
    "Quantity": 1.00
    "UnitOfMeasureReference": "EA"
    "NetPrice": 17800.00
    "UnitsPerPrice": 1
    "PriceUnitOfMeasureReference": "EA"
    "TaxCodeReference": "I1"
    "DeliveryDate": "08/01/2017"
    "OrderDeliveryTolerance": 10
    "PlantReference": "0193"
    "StorageLocationReference": "0595"
    "DeletionIndicator": ""
    "DeliveryCompleteIndicator": ""
    "InvoicePlanIndicator": ""
    "ReturnPOFlag": ""
    "MaterialCharacteristicReference": ""
    "MaterialCharacteristic": [
        {
        "MaterialCharacteristicType": "ZMM_TRAY_CABLE"
        "MaterialCharacteristicValue": "TRAY,CABLE"
        },
        {
        "MaterialCharacteristicType": "ZMM_TRAY_CABLE"
        "MaterialCharacteristicValue": "TRAY,CABLE"
        }]
    "ShippingAddress": [
        {
        "StreetName": "2480 Hennington Ave"
        "CityName": "Memphis"
        "Region": "TN"
        "CountryCode": "US"
        "PostalCode": "38109"
        "TaxJurisdiction": "4315705600"
        }]
    "AccountAssignmentCategory": "P"
    "CDSSplitMethod": "",
    "ContractDetailCostItem": [
        {
        "SplitByValue": 0.5,
        "AccountAssignmentLineNumber": 1,
        "AccountAssignmentNumber": "102910.2171",
        "GLAccountReference": "540310",
        "CreatedByReference": "00354709
        },{
```

```
        "SplitByValue": 0.5
        "AccountAssignmentLineNumber": "2",
        "AccountAssignmentNumber": "102910.2192",
        "GLAccountReference": "540310",
        "CreatedBy": "00354709"
        }]
      "Comments": ""
      "FairMarketValue": ""
      "EquipmentPrefix": ""
      "RentalType": ""
      "NAICScode": ""
      "RetentionPercentage": ""
      "WBSCategoryReference": ""
      "NoFurtherInvoiceIndicator": ""
      "GoodsReceiptStatus": ""
   }
}]
```

Sample 4 – External Purchase Order

For sending an external purchase order to InEight cloud platform. In this scenario, the purchase order is created outside of the InEight cloud platform and data is being sent over without a contract ID. The message is verified for errors and a contract is created in InEight cloud platform. After the contract is created it must follow the existing request/response flow.

This integration can be used to send multiple contracts in same payload to create a contract. Note that the system can support more than 200 contracts imported in the same payload but, the performance is noticeably slowed above this threshold.

I should also be able to update an exisitng contract and line items till the contract is published using this API as well. For update, I need to pass the Contract ID and Line Item Code in the JOSN alsong with other values.

Example 4A: Minimum data to create a contract without a line item.

```
[{
      "ContractReference": "",
      "Status": "",
      "ContractTypeReference": "ZHSC",
      "CurrencyReference": "USD",
      "CreatedByReference": "sandip.pal@ineight.com",
      "CreatedDate": "04/20/2023",
      "IsExternalCreatedPurchaseOrder": "true",
      "Description": "2 Sandip Min Json",
      "ProjectReference": "104983"
   }]
```

Example 4B: Minimum data to create a contract with a line item.


```
[
   {
      "ContractReference": "",
      "Status": "",
      "ContractTypeReference": "ZHSC",
      "CurrencyReference": "USD",
      "CreatedByReference": "sandip.pal@ineight.com",
      "CreatedDate": "04/20/2023",
      "IsExternalCreatedPurchaseOrder": "true",
      "Description": "5 Sandip Min Json",
      "ProjectReference": "104179",
      "ContractDetailResponse": [
         {
            "ContractDetailReference": 1,
            "ContractDetailType": "Material",
            "Description": "Uncommitted - Cascade 2",
            "Quantity": 3565.0,
            "UnitOfMeasureReference": "LS",
            "UnitsPerPrice": 1,
            "NetPrice": 1.0,
            "LowerLimit": "",
            "UpperLimit": ""
         },
         {
            "ContractDetailReference": 2,
            "ContractDetailType": "Limit",
            "Description": "Uncommitted - Cascade 2",
            "Quantity": "",
            "UnitOfMeasureReference": "",
            "UnitsPerPrice": "",
            "NetPrice": "",
            "LowerLimit": 1000,
            "UpperLimit": 3000
         }
      ]
   }
]]
```


Example 4C: All data to create a contract and a line item.


```
[{
   "ContractReference": "",
   "CurrentValue": 200000,
   "CurrentValueProjectCurrency": 20000,
   "LogToken": "a93fface-d4f1-4e1e-88c6-3162ffd1111",
   "Status": "",
   "Logger": [
      {
      "Level": "string",
      "Message": "string"
      }
   ],
   "ContractTypeReference": "ZHSC",
```

```
   "VendorReference": "0010003459",
   "PurchasingOrganizationReference": "0100",
   "PurchasingGroupReference": "010",
   "LegalEntityReference": "1312",
   "PaymentTermReference": "P030",
   "ProjectCurrencyReference": "string",
   "CurrencyReference": "USD",
   "INCOTerms": "FOB",
   "AgreementNumber": "7600000104",
   "AgreementValue": 123456,
   "PurchaseOrderNumber": "4562A2",
   "PurchaseOrderValue": 653267,
   "CreatedByReference": "sandip.pal@ineight.com",
   "CreatedDate": "01/20/2020",
   "IsExternalCreatedPurchaseOrder": "true",
   "Description": "ApiTest 2 First Test",
   "EffectiveDate": "1/20/2020 12:00:00 AM +00:00",
   "ContractStatus": "Draft",
   "ContractSubTypeReference": "",
   "InvoicePlanIndicator": false,
   "Discipline": "Building",
   "ScopeOfContract": "Perform miscellaneous concrete sawing and drilling work as
requested by Contractor.",
   "RetentionPercent": 15.0,
   "LiquidatedDamageOverallCap": 15,
   "HarmonizedTariffSchedule": "string",
   "CountryOfOrigin": "US",
   "RequsitionNumber": "0012ABC",
   "RequsitionValue": 100.75,
   "CustomField1": "CustomField1",
   "CustomField2": "CustomField2",
   "CustomField3": "CustomField3",
   "CustomField4": "CustomField4",
   "CustomField5": "CustomField5",
   "CustomField6": "CustomField6",
   "CustomField7": "CustomField7",
   "CustomField8": "CustomField8",
   "CustomField9": "CustomField9",
   "CustomField10": "CustomField10",
   "ShippingAddress": [
      {
      "DisplayId": 2541,
      "StreetName": "3003 W Casino Rd Gate E70 ",
      "CityName": "Everett",
      "Region": "WA",
      "CountryCode": "US",
      "PostalCode": "98204",
      "TaxJurisdiction": "4806102300"
      }
   ],
   "INCOTermLocation": "Destination",
   "GRNonValuatedFlag": "X",
   "RemainingToBuy": 1500,
   "StorageLocationReference": "13705",
   "ProjectReference": "104983",
   "ProjectSourceSystemId": 693,
   "RetentionAmount": 100.0,
```

```
   "BidPackageReference": "0",
   "BidPackageOriginalBaseValue": "",
   "BidPackageContingencyEstimate": "",
   "BidPackageEscalationEstimate": "",
   "BidPackageUnawardedAdjustment": "",
   "BidPackageOwnerChangeAmount": "",
   "BidPackageTotalEstimate": "",
   "CustomList1": "Test2",
   "CustomList2": "Z1",
   "ProjectISOCountrycode": "US",
   "ContractDetailResponse": [
      {
      "ContractDetailReference": 1,
      "GrossAmount": "200",
      "GrossAmountProjectCurrency": "200",
      "NetValueWithoutTax": "300",
      "NetValueWithoutTaxProjectCurrency": "300",
      "TaxTotal": "10",
      "TaxTotalProjectCurrency": "0.08",
      "ContractDetailType": "Material",
      "Description": "Uncommitted - Cascade 2",
      "MaterialReference": "",
      "MaterialGroupReference": "MBA",
      "CreatedbyReference": "sandip.pal@ineight.com",
      "Quantity": 3565.0,
      "UnitOfMeasureReference": "LS",
      "NetPrice": 1.0,
      "UnitsPerPrice": 1,
      "PriceUnitOfMeasureReference": "LS",
      "TaxCodeReference": "I1",
      "DeliveryDate": "01/20/2020",
      "OrderDeliveryTolerance": 0.0,
      "PlantReference": "0153",
      "StorageLocation": "0012",
      "DeletionIndicator": "",
      "DeliveryCompleteIndicator": "",
      "InvoicePlanIndicator": "",
      "ReturnPOFlag": "",
      "MaterialCharacteristicReference": "",
      "AccountAssignmentCategory": "WBS",
      "CDSSplitMethod": "",
      "Comments": "$11 000 (EVE-15-2884  Factory Transformation  WO's 2825SB
2825JP  2825PP)...$39 000 (Misc Unassigned)",
      "RetentionPercent": 30.0,
      "FairMarketValue": "",
      "EquipmentPrefix": "",
      "RentalType": "",
      "NAICScode": "",
      "WBSCategoryReference": "WBS-P",
      "NoFurtherInvoiceIndicator": "",
      "GoodsReceiptStatus": "",
      "IsTaxable": true,
      "LongDescription": "test long description",
      "CountryOfOrigin": "US",
      "LowerLimit": "",
      "UpperLimit": "",
      "ValidThroughDate": "1/20/2024",
```

```
"DiversityParticipationPercent": 10.0,
"DiversityParticipationValue": 20.0,
"HarmonizedTariffSchedule": "HarmonizedTariffSchedule",
"CustomList1": "LC1-01",
"CustomList2": "LC2-03",
"CustomField1": "CustomField1",
"CustomField2": "CustomField1=2",
"CustomField3": "CustomField3",
"CustomField4": "CustomField4",
"CustomField5": "CustomField5",
"ContractDetailTax": [
   {
   "TaxCode": "US",
   "Description": "US Tax",
   "TaxAmount": 10.0,
   "TaxRate": 10.0,
   "CurrencyReference": "USD",
   "TaxAmountProjectCurrency": 10.0,
   "ProjectCurrencyReference": "USD",
   "SourceSystemId": "MES",
   "IncludeInCommittedCost": ""
   }
],
"MaterialCharacteristic": [],
"ContractReference": 7200003856,
"MasterAgreementContractDetailReference": 1,
"UOMId": 17,
"EquipmentTypeId": "",
"ShippingAddress": [
   {
   "DisplayId": 2540,
   "StreetName": "3003 W Casino Rd Gate E70 ",
   "CityName": "Everett",
   "Region": "WA",
   "CountryCode": "US",
   "PostalCode": "98204",
   "TaxJurisdiction": "4806102300"
   }
],
"ContractDetailCostItem": [
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   "SplitByValue": "",
   "AccountAssignmentLineNumber": 1,
   "CostItemReference": "1492",
   "CostItemSourceSystemId": "",
   "AccountingLedgerReference": "540310",
   "CreatedbyReference": "sandip.pal@ineight.com",
   "DeletionIndicator": "",
   "CostCenterReference": ""
   }
]
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"GrossAmount": 200,
"GrossAmountProjectCurrency": 200,
"NetValueWithoutTax": 300,
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      "TaxTotal": 10,
      "TaxTotalProjectCurrency": 0.08,
      "ContractDetailType": "Limit",
      "Description": "Uncommitted - Cascade 2",
      "MaterialReference": "",
      "MaterialGroupReference": "MBA",
      "CreatedbyReference": "sandip.pal@ineight.com",
      "Quantity": 3565.0,
      "UnitOfMeasureReference": "LS",
      "NetPrice": 1.0,
      "UnitsPerPrice": 1,
      "PriceUnitOfMeasureReference": "LS",
      "TaxCodeReference": "I1",
      "DeliveryDate": "01/20/2020",
      "OrderDeliveryTolerance": 0.0,
      "PlantReference": "0153",
      "StorageLocation": "0012",
      "DeletionIndicator": "",
      "DeliveryCompleteIndicator": "",
      "InvoicePlanIndicator": "",
      "ReturnPOFlag": "",
      "MaterialCharacteristicReference": "",
      "AccountAssignmentCategory": "WBS",
      "CDSSplitMethod": "",
      "Comments": "$11 000 (EVE-15-2884  Factory Transformation  WO's 2825SB
2825JP  2825PP)...$39 000 (Misc Unassigned)",
      "RetentionPercent": 20.0,
      "FairMarketValue": "",
      "EquipmentPrefix": "",
      "RentalType": "",
      "NAICScode": "",
      "WBSCategoryReference": "WBS-P",
      "NoFurtherInvoiceIndicator": "",
      "GoodsReceiptStatus": "",
      "IsTaxable": true,
      "LongDescription": "test long description",
      "CountryOfOrigin": "US",
      "LowerLimit": 1000,
      "UpperLimit": 20000,
      "ValidThroughDate": "1/20/2024",
      "DiversityParticipationPercent": 10.0,
      "DiversityParticipationValue": 20.0,
      "HarmonizedTariffSchedule": "HarmonizedTariffSchedule",
      "CustomList1": "LICL 1",
      "CustomList2": "LICL 2",
      "CustomField1": "CustomField1",
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         "Description": "US Tax",
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        "CurrencyReference": "USD",
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        "ProjectCurrencyReference": "USD",
        "SourceSystemId": "MES",
        "IncludeInCommittedCost": ""
        }
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    "MaterialCharacteristic": [],
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    "MasterAgreementContractDetailReference": 1,
    "UOMId": 17,
    "EquipmentTypeId": "",
    "ShippingAddress": [
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        "DisplayId": 2892,
        "StreetName": "3003 W Casino Rd Gate E70 ",
        "CityName": "Everett",
        "Region": "WA",
        "CountryCode": "US",
        "PostalCode": "98204",
        "TaxJurisdiction": "4806102300"
        }
    ],
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        "SplitByValue": "",
        "AccountAssignmentLineNumber": 1,
        "CostItemReference": "1492",
        "CostItemSourceSystemId": "",
        "AccountingLedgerReference": "540310",
        "CreatedbyReference": "sandip.pal@ineight.com",
        "DeletionIndicator": "",
        "CostCenterReference": ""
        }
    ]
    },
    {
    "ContractDetailReference": 3,
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    "GrossAmountProjectCurrency": 200,
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    "ContractDetailType": "Service",
    "Description": "Uncommitted - Cascade 2",
    "MaterialReference": "",
    "MaterialGroupReference": "MBA",
    "CreatedbyReference": "sandip.pal@ineight.com",
    "Quantity": 23565.0,
    "UnitOfMeasureReference": "LS",
    "NetPrice": 1.0,
    "UnitsPerPrice": 1,
    "PriceUnitOfMeasureReference": "LS",
    "TaxCodeReference": "I1",
    "DeliveryDate": "01/20/2020",
    "OrderDeliveryTolerance": 0.0,
```

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      "PlantReference": "0153",
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      "DeliveryCompleteIndicator": "",
      "InvoicePlanIndicator": "",
      "ReturnPOFlag": "",
      "MaterialCharacteristicReference": "",
      "AccountAssignmentCategory": "WBS",
      "CDSSplitMethod": "",
      "Comments": "$11 000 (EVE-15-2884  Factory Transformation  WO's 2825SB
2825JP  2825PP)...$39 000 (Misc Unassigned)",
      "RetentionPercent": 20.0,
      "FairMarketValue": "",
      "EquipmentPrefix": "",
      "RentalType": "",
      "NAICScode": "",
      "WBSCategoryReference": "WBS-P",
      "NoFurtherInvoiceIndicator": "",
      "GoodsReceiptStatus": "",
      "IsTaxable": true,
      "LongDescription": "test long description",
      "CountryOfOrigin": "US",
      "LowerLimit": "",
      "UpperLimit": "",
      "ValidThroughDate": "1/20/2024",
      "DiversityParticipationPercent": 10.0,
      "DiversityParticipationValue": 20.0,
      "HarmonizedTariffSchedule": "HarmonizedTariffSchedule",
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      "CustomList2": "LICL 2",
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      "CustomField2": "CustomField1=2",
      "CustomField3": "CustomField3",
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      "CustomField5": "CustomField5",
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         "TaxCode": "US",
         "Description": "US Tax",
         "TaxAmount": 10.0,
         "TaxRate": 10.0,
         "CurrencyReference": "USD",
         "TaxAmountProjectCurrency": 10.0,
         "ProjectCurrencyReference": "USD",
         "SourceSystemId": "MES",
         "IncludeInCommittedCost": ""
         }
      ],
      "MaterialCharacteristic": [],
      "ContractReference": 7200003856,
      "MasterAgreementContractDetailReference": 1,
      "UOMId": 17,
      "EquipmentTypeId": "",
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         "DisplayId": 2892,
         "StreetName": "3003 W Casino Rd Gate E70 ",
```

```
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         "Region": "WA",
         "CountryCode": "US",
         "PostalCode": "98204",
         "TaxJurisdiction": "4806102300"
         }
      ],
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         "SplitByValue": "",
         "AccountAssignmentLineNumber": 1,
         "CostItemReference": "1492",
         "CostItemSourceSystemId": "",
         "AccountingLedgerReference": "540310",
         "CreatedbyReference": "sandip.pal@ineight.com",
         "DeletionIndicator": "",
         "CostCenterReference": ""
         }
      ]
      },
      {
      "ContractDetailReference": 4,
      "GrossAmount": 200,
      "GrossAmountProjectCurrency": 200,
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      "ContractDetailType": "Credit",
      "Description": "Uncommitted - Cascade 2",
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      "MaterialGroupReference": "MBA",
      "CreatedbyReference": "sandip.pal@ineight.com",
      "Quantity": 13565.0,
      "UnitOfMeasureReference": "LS",
      "NetPrice": 1.0,
      "UnitsPerPrice": 1,
      "PriceUnitOfMeasureReference": "LS",
      "TaxCodeReference": "I1",
      "DeliveryDate": "01/20/2020",
      "OrderDeliveryTolerance": 0.0,
      "PlantReference": "0153",
      "StorageLocation": "0012",
      "DeletionIndicator": "",
      "DeliveryCompleteIndicator": "",
      "InvoicePlanIndicator": "",
      "ReturnPOFlag": "",
      "MaterialCharacteristicReference": "",
      "AccountAssignmentCategory": "WBS",
      "CDSSplitMethod": "",
      "Comments": "$11 000 (EVE-15-2884  Factory Transformation  WO's 2825SB
2825JP  2825PP)...$39 000 (Misc Unassigned)",
      "RetentionPercent": 30.0,
      "FairMarketValue": "",
      "EquipmentPrefix": "",
      "RentalType": "",
      "NAICScode": "",
```

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      "WBSCategoryReference": "WBS-P",
      "NoFurtherInvoiceIndicator": "",
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      "IsTaxable": true,
      "LongDescription": "test long description",
      "CountryOfOrigin": "US",
      "LowerLimit": "",
      "UpperLimit": "",
      "ValidThroughDate": "1/20/2024",
      "DiversityParticipationPercent": 10.0,
      "DiversityParticipationValue": 20.0,
      "HarmonizedTariffSchedule": "HarmonizedTariffSchedule",
      "CustomList1": "LICL 1",
      "CustomList2": "LICL 2",
      "CustomField1": "CustomField1",
      "CustomField2": "CustomField1=2",
      "CustomField3": "CustomField3",
      "CustomField4": "CustomField4",
      "CustomField5": "CustomField5",
      "ContractDetailTax": [
         {
         "TaxCode": "US",
         "Description": "US Tax",
         "TaxAmount": 10.0,
         "TaxRate": 10.0,
         "CurrencyReference": "USD",
         "TaxAmountProjectCurrency": 10.0,
         "ProjectCurrencyReference": "USD",
         "SourceSystemId": "MES",
         "IncludeInCommittedCost": ""
         }
      ],
      "MaterialCharacteristic": [],
      "ContractReference": 7200003856,
      "MasterAgreementContractDetailReference": 1,
      "UOMId": 17,
      "EquipmentTypeId": "",
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         "DisplayId": 2,
         "StreetName": "3003 W Casino Rd Gate E70 ",
         "CityName": "Everett",
         "Region": "WA",
         "CountryCode": "US",
         "PostalCode": "98204",
         "TaxJurisdiction": "4806102300"
         }
      ],
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         "SplitByValue": "",
         "AccountAssignmentLineNumber": 1,
         "CostItemReference": "1492",
         "CostItemSourceSystemId": "",
         "AccountingLedgerReference": "540310",
         "CreatedbyReference": "sandip.pal@ineight.com",
         "DeletionIndicator": "",
```

```
            "CostCenterReference": ""
            }
        ]
        }
    ]
}]
```


Verification

The InEight Contract Sync Log shows Success in the ERP Status column.

If there is any tax in SAP, the amount is shown in **Line items**.

Payment Payform (Request)

Direction		From InEight Contract
Frequency		Integration occurs each time the entity is updated and includes only new. Approximately 100 a day depending on the number of contracts on your project.
Trigger Method(s)		Manually triggered by a user in UI.
Average Payload Size		Entity delta – Less than 100 records.
API Name		Not available through APIM.
InEight Contract	**Starting Version**	18.3
	Ending Version	

Configuration

The configuration information is entered via the InEight cloud platform UI. From the System menu Application integrations page, add an entity to show the configuration options.

Configuration Option	Description	Example	Req.
Entity	Contract: Post payment request	NA	Yes
URI	Full endpoint URL destination path for the external system where payment requests are sent.	https://<address>/contractmgtpmtrequest	Yes
Username	Security credential for username expected by the receiving system.	InEightContractMgtIntegrations	No
Password	Security credential for password expected by the receiving system.	Password123	No

Fields

Depth	Name	Type	Precision[1]	Parent
1	LogToken	String	50	
1	PayRequestReference	String	10	
1	VendorReference	String	25	
1	LegalEntityReference	String	10	
1	ContractReference[2]	String	10	
1	ProgressEstimateNumber	String	50	
1	BillingPeriod	String	50	
1	CoverLetterURL	String	500	
1	ProjectReference	String	200	
1	ProjectSourceSystemId	Number	10	
1	AgreementNumber	String	50	
1	AgreementValue	Number	16,5	
1	PurchaseOrderNumber	String	50	
1	PurchaseOrderValue	Number	16,5	
1	Description	String	200	
1	CreatedDate	String	50	
1	CreatedBy	String	50	
1	WorkCompletedFromDate	String	50	
1	WorkCompletedThroughDate	String	50	
1	GrossAmount	Number	16,5	
1	Retention	Number	16,5	
1	NetAmount	Number	16,5	
1	TotalBackChargeAmount	Number	16,5	
1	TaxTotal	Number	16,5	
1	NetPayable	Number	16,5	
1	RetentionRelease	Number	16,5	
1	Comments	String	500	
1	PayRequestInvoice	Array	NA	
2	VendorInvoiceReference[2]	String	50	PayRequestInvoice
2	VendorInvoiceDate	String	Date	PayRequestInvoice
2	EstimatedPostingDate	String	Date	PayRequestInvoice
2	RetentionReleaseInvoice	String	5	PayRequestInvoice

2	CreditMemoFlag	String	1	PayRequestInvoice
2	InvoiceAttachmentURL	String	500	PayRequestInvoice
2	GrossAmount	Number	16,5	PayRequestInvoice
2	RetentionRelease	Number	16,5	PayRequestInvoice
2	TaxAmount	Number	16,5	PayRequestInvoice
2	TotalAmount	Number	16,5	PayRequestInvoice
2	ContractCurrencyReference	String	10	PayRequestInvoice
2	PayRequestInvoiceTax	Array		PayRequestInvoice
3	TaxCode	String	50	PayRequestInvoiceTax
3	Description	String	200	PayRequestInvoiceTax
3	TaxAmount	Number	16,5	PayRequestInvoiceTax
1	PaymentRequestContractDetail	Array	NA	
2	ContractDetailReference	String	10	PaymentRequestContractDetail
2	ContractDetailSourceSystemId	Number	10	PaymentRequestContractDetail
2	Description	String	100	PaymentRequestContractDetail
2	ContractDetailType	String	50	PaymentRequestContractDetail
2	ContractDetailQuantity	Number	16,5	PaymentRequestContractDetail
2	UnitPrice	Number	16,5	PaymentRequestContractDetail
2	UnitPerPrice	Number	16,5	PaymentRequestContractDetail
2	ContractDetailAmount	Number	16,5	PaymentRequestContractDetail
2	ContractDetailTax	Number	16,5	PaymentRequestContractDetail
2	UnitsOfMeasure	String	10	PaymentRequestContractDetail
2	PreviousPaidQuantity	Number	16,5	PaymentRequestContractDetail
2	PreviousNetAmount	Number	16,5	PaymentRequestContractDetail
2	RetentionAmount	Number	16,5	PaymentRequestContractDetail
2	PercentComplete	Number	16,5	PaymentRequestContractDetail
2	RetentionPercent	Number	16,5	PaymentRequestContractDetail
2	RetentionReleaseAmount	Number	16,5	PaymentRequestContractDetail
2	CreditIndicator	String	5	PaymentRequestContractDetail
2	ContractCostItemAllocationDetail	Array	NA	PaymentRequestContractDetail
3	CostItemReference	String	50	ContractCostItemAllocationDetail
3	CostItemSourceSystemId	Number	10	ContractCostItemAllocationDetail
3	CostCenterReference	String	50	ContractCostItemAllocationDetail
3	AccountingLedgerReference	String	50	ContractCostItemAllocationDetail
3	AllocatedQuantity	Number	16,5	ContractCostItemAllocationDetail

3	AllocatedAmount	Number	16,5	ContractCostItemAllocationDetail
2	PaymentRequestContractDetailTax	Array	NA	PaymentRequestContractDetail
3	TaxCode	String	50	PaymentRequestContractDetailTax
3	Description	String	200	PaymentRequestContractDetailTax
3	TaxAmount	Number	16,5	PaymentRequestContractDetailTax
3	TaxRate	Number	16,5	PaymentRequestContractDetailTax
3	CurrencyReference	String	10	PaymentRequestContractDetailTax
3	TaxAmountProjectCurrency	Number	16,5	PaymentRequestContractDetailTax
3	ProjectCurrencyReference	String	10	PaymentRequestContractDetailTax
3	SourceSystemId	String	50	PaymentRequestContractDetailTax
3	IncludeInCommittedCost	String	5	PaymentRequestContractDetailTax
1	BackChargeDetail	Array	NA	
2	BackchargeReference	String	10	BackChargeDetail
2	Description	String	100	BackChargeDetail
2	CostItemReference	String	50	BackChargeDetail
2	CostCenterReference	String	50	BackChargeDetail
2	CostItemSourceSystemId	Number	10	BackChargeDetail
2	Amount	Number	16,5	BackChargeDetail
2	AccountingLedger	String	50	BackChargeDetail
1	SupportingDocumentDetail	Array	NA	
2	Title	String	100	SupportingDocumentDetail
2	Type	String	50	SupportingDocumentDetail
2	Subtype	String	50	SupportingDocumentDetail
2	DocumentURL	String	500	SupportingDocumentDetail
2	EffectiveDate	String	Date	SupportingDocumentDetail
2	ExpirationDate	String	Date	SupportingDocumentDetail
2	Status	String	50	SupportingDocumentDetail
1	Approvers	Array	NA	
2	StepNumber	String	10	Approvers
2	StepTitle	String	50	Approvers
2	Approver	String	50	Approvers
2	Status	String	50	Approvers
2	ApprovedDateTime	String	Date	Approvers

1 - For numeric data types, precision is given as total digits allowed in the field and the number of those digits that exist to the right of the decimal.
2 - Natural Key field.

Field Descriptions

Name	Description	Example
LogToken	Unique GUID that is provided for external systems to use when responding to confirm the payment request or to send a status update on the payment. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP log token ID.	0907cc42-a77a-44c0-ab95-0bc4f510ce7b
PayRequestReference	Unique identifier of the payment request for the contract in the request message This value shows in the UI in Project > Contract > Payment form details > Payment form ID.	0001
VendorReference	Unique identifier of a vendor record on the contract. This value shows in the UI in Project > Contract > Contract details > Vendor.	36546767
LegalEntityReference	Unique identifier of the Legal Entity making the purchase. This value shows in the UI in Project > Project settings > Contracts > Project ERP attributes > Company code.	346464
ContractReference	Unique identifier of the contract. This value shows in the UI in Project > Project settings > Contract > Contract register > Contract ID.	4776444644
ProgressEstimateNumber	If tracking the subcontract against deliverables of a primary contract, a progress estimate number can be provided that represents a deliverable stage of the primary contract. This value shows in the UI in Project > Contract > Payment form details > Progress estimate number.	3477354
BillingPeriod	Billing period in which payment is expected for the primary contract This value shows in the UI in Project > Contract > Contract details > Payment progress > Billing period.	07/2018
CoverLetterURL	URL address from where a cover letter can be downloaded for storage in the ERP. This value shows in the UI in Project > Contract >Payment form details > Payment form cover letter.	See the Sample JSON for example.
ProjectReference	The DisplayId of the Project where the contract is coming from. This value shows in the UI in Project > Project details > Project ID.	103361
ProjectSourceSystemId	Project internal ID that is a unique number maintained in the InEight cloud platform. This is not shown in the UI.	123

AgreementNumber	A free-form text field that can be manually filled by a user via the Contract UI or filled in the integration response message or the value from a dropdown representing association to a Master Agreement ID in InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Agreement ID.	5560789536
AgreementValue	An open numeric (decimal) field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Agreement value.	20,000,000.00
PurchaseOrderNumber	A free-form text field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Purchase order ID.	6203587410
PurchaseOrderValue	An open numeric (decimal) field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Purchase order value.	150,000.00
Description	Description or title of the payment request. This value shows in the UI in Project > Contract > Payment form details > Description.	Pay App 01 - December 2020 (KU)
CreatedDate	Date that the payment request was created. This value shows in the UI in Project > Contract > Contract details > Payment forms > Created on.	01/16/2009
CreatedBy	User ID of the person that created the payment request. This value shows in the UI in Project > Contract > Contract details > Payment forms > Created by.	0002670
WorkCompletedFromDate	Value of data in Work completed from date field in the UI for the payment request. This value shows in the UI in Project > Contract > Payment form details > Work completed from.	01/16/2009
WorkCompletedThroughDate	Value of data in Work completed through date field in the UI for the payment request. This value shows in the UI in Project > Contract > Payment form details > Work completed through.	02/20/2009
GrossAmount	Value of data in Gross amount this request field in the UI for the payment request. This value shows in the UI in Project > Contract > Payment form details > Gross amount this request.	27393.00

Retention	Value of data (if any) in Less retention field in the UI for the payment request. This value shows in the UI in Project > Contract > Payment form details > Less retention.	2739.30
NetAmount	Value of data (if any) in Net amount earned this request field in the UI for the payment request. This value shows in the UI in Project > Contract > Payment form details > Net amount earned this request.	24653.70
TotalBackChargeAmount	Value of data (if any) in Less back charges field in the UI for the payment request. This value shows in the UI in Project > Contract > Payment form details > Less back charges.	-100.00
TaxTotal	Value of data (if any) in Tax field in the UI for the payment request. This value shows in the UI in Project > Contract > Payment form details > Tax.	300.00
NetPayable	Value of data (if any) in Net amount payable this request field in the UI for the payment request. This value shows in the UI in Project > Contract > Payment form details > Net payable.	24853.70
RetentionRelease	If the Payment form has retention release invoices, then this will have sum of all the retention release invoices. This value shows in the UI in Project > Contract > Payment form details > Retention Release Requested.	1234.56
Comments	Value of data (if any) in Comments field in the UI for the payment request. This value shows in the UI in Project > Contract > Payment form details > Comments.	Test Payment Request
PayRequestInvoice	Array of invoice details. Records in this array can be repeated for the number of invoices associated with the pay request. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments.	
VendorInvoiceReference	Record identifier of the invoice in the pay request. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Invoice number.	1
VendorInvoiceDate	Date that the invoice was dated by the vendor. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Invoice date.	4/17/2018
RetentionReleaseInvoice	If the invoice is regular invoice, then this field will have a value of *false*. If the Invoice is of type retention release invoice, then this field will have value of *true*. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Invoice Type	false

EstimatedPostingDate	Date added as estimated posting date while adding the invoice. For ERP less scenario, this date is shown as invoice posting date in Payment Progress tab. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > estimated posting date.	12/16/2023
CreditMemoFlag	If the invoice record is less than zero (negative value), an X will be sent in this field. This is not shown in the UI.	X
InvoiceAttachmentURL	URL address from where a copy of the invoice can be downloaded and stored or viewed in the ERP. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > File/link.	See the Sample JSON for example.
GrossAmount	Gross amount of the invoice. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Invoice amount.	1647.14
RetentionRelease	Gross amount of the retention release invoice. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > retention release requested.	
TaxAmount	Total tax of the invoice. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Total tax.	164.71
TotalAmount	Total amount of the invoice. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Invoice total.	1811.85
ContractCurrencyReference	Currency code for amounts shown on the invoice. This value shows in the UI in Project > Project settings > Contract > Contract details > Contract currency.	USD
PayRequestInvoiceTax	Array of invoice tax as entered when adding the invoice in the InEight cloud platform. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Total tax Hover over.	
TaxCode	Tax code as stored in the InEight cloud platform settings for which the tax is added. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Total tax Hover over.	GST
Description	Description of the tax code as stored in the InEight cloud platform settings for which the tax is added. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Total tax Hover over.	Goods and Services Tax
TaxAmount	Tax amount as added by the user in the InEight cloud platform. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Total tax Hover over.	1500

PaymentRequestContractDetail	Array of contract line items added to payment request. Records in this array can be repeated for the number of line items associated with the pay request. This value shows in the UI in Project > Contract > Payment form details > Line items.	
ContractDetailReference	Unique reference to the line item of the contract. This value shows in the UI in Project > Contract > Payment form details > Line items > Line item ID.	001
ContractDetailSourceSystemId	Line item internal ID that is unique across all the contracts maintained in the InEight cloud platform. This is not shown in the UI.	1
Description	Description of the line item. This value shows in the UI in Project > Contract > Payment form details > Line items > Description.	Concrete work
ContractDetailType	Type of detail represented by the line item of the contract. The following values are sent: • Service • Limit • Material • Credit **NOTE:** For Microsoft Dynamics, credit and limit line types cannot be used. Credits must be handled as a separate PO. For limit operations, a material line item with quantity that matches the price ($1 per quantity) that can be decremented as needed. This value shows in the UI in Project > Contract > Contract details > Line items > Type.	Material
ContractDetailQuantity	Current quantity of the line item. This value shows in the UI in Project > Contract > Payment form details > Line items > Quantity.	1000
UnitPrice	Unit price for the line item. This value shows in the UI in Project > Contract > Payment form details > Line items > Unit price.	10
UnitPerPrice	Number of units per net price. This value shows in the UI in Project > Contract > Payment form details > Line items > Per.	1
ContractDetailAmount	Current line item amount. This value shows in the UI in Project > Contract > Payment form details > Line items > Net price.	10000
ContractDetailTax	Tax amount for the line item. This value shows in the UI in Project > Contract > Payment form details > Line items > Tax amount.	300
UnitsOfMeasure	Unit of measure represented by quantity. This must match a valid UOMSourceSystemId in the InEight cloud platform master data. This value shows in the UI in Project > Contract > Payment form details > Line items > UoM.	EA

PreviousPaidQuantity	Quanitity already paid for the line in previously submitted payment request. This value shows in the UI in Project > Contract > Payment form details > Line items > Previous submissions Quantity.	200
PreviousNetAmount	Amount already paid for the line in previously submitted payment request. This value shows in the UI in Project > Contract > Payment form details > Line items > Previous submissions Net price.	2000
RetentionAmount	Retention amount held in the payment request for this line. This value shows in the UI in Project > Contract > Payment form details > Line items > This submission Retention.	200
RetentionPercent	Retention percentage held in the payment request for this line. This value shows in the UI in Project > Contract > Payment form details > Line items > Retention (%).	10
RetentionReleaseAmount	Retention release amount in the payment request for this line. This value shows in the UI in Project > Contract > Payment form details > Line items > Retention release.	100
PercentComplete	Percentage completion of the line item. This value shows in the UI in Project > Contract > Payment form details > Line items > Current total % Complete	20
CreditIndicator	This field indicates whether the Line-Item allocation amount (ContractDetailAmount) is a negative value (true) or positive value (false). Acceptable values are: • True • False	false
ContractCostItemAllocationDetail	Array quantity/amount allocation details for each line used in payment request. Records in this array can be repeated for the number of line items associated with the pay request.	
CostItemReference	Unique reference to the cost item associated to the WBS line number. This value shows in the UI in Project > Contract > Payment form details > Line items > WBS.	1011
CostItemSourceSystemId	Cost item internal ID that is unique for all projects maintained in the InEight cloud platform. This is not shown in the UI.	1
CostCenterReference	Unique reference to the cost center associated to the cost center line number. This value shows in the UI in Project > Contract > Contract details > Line items > Cost center.	ABC123
AccountingLedgerReference	General ledger (GL) account number associated to the cost item, if a specific GL account was selected in the line item. The values in this field are predefined by the customer. This value shows in the UI in Project > Contract > Contract details > Line items > General ledger account.	502155

AllocatedQuantity	Quantity allocated for that line in payment request. This value shows in the UI in Project > Contract > Payment form details > Line items > This submission Quantity.	400
AllocatedAmount	Amount allocated for that line in payment request. This value shows in the UI in Project > Contract > Payment form details > Line items > This submission Value.	4000
PaymentRequestContractDetailTax	Array of tax break out for the estimated tax. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then estimated tax break out is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the estimated tax break out is based on it. This value shows in the UI in Project > Contract > Payment form details > Line items > This submission Tax > Tax hover over.	110000
TaxCode	Tax code value for the tax break out. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then tax code is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the tax code is based on it. This value shows in the UI in Project > Contract > Payment form details > Line items > This submission Tax > Tax hover over.	GST/HST
Description	Tax description value for the tax break out. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then tax description is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the tax description is based on it. This value shows in the UI in Project > Contract > Payment form details > Line items > This submission Tax > Tax hover over.	This is GST related tax
TaxAmount	Tax amount for each tax code. This value shows in the UI in Project > Contract > Payment form details > Line items > This submission Tax > Tax hover over.	
TaxRate	Tax rate for each tax code. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then tax rate is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the tax rate is based on it. This value shows in the UI in Project > Contract > Payment form details > Line items > This submission Tax > Tax hover over.	12

CurrencyReference	Contract currency code of the TaxAmount field. This value shows in the UI in Project > Contract > Contract details > Contract currency.	USD
TaxAmountProjectCurrency	Tax amount for each tax code in project currency. This is not shown in the UI.	1000
ProjectCurrencyReference	Project currency code of the TaxAmount field. This value shows in the UI in Project > Project details > Base currency.	CAD
SourceSystemId	Unique ID for each tax break up. This field can be empty (null). This is not shown in the UI.	GST.1000.USD
IncludeInCommittedCost	Indicates if the tax can be included in committed cost calculation. This is based on project setting value stored for that tax code. This value shows in the UI in Project > Project settings > Contract > Configurations > Tax settings > Include in committed cost.	True
BackChargeDetail	Array of back charges associated to that payment request. Records in this array can be repeated for the number of back charges associated with the pay request. This value shows in the UI in Project > Contract > Payment form details > Back charges.	
BackchargeReference	Unique reference of the back charge. This value shows in the UI in Project > Contract > Payment form details > Back charge ID.	001
Description	Description of the back charge. This value shows in the UI in Project > Contract > Payment form details > Back charge Description.	Overhead cost
CostItemReference	Unique reference to the cost item associated to the back charge. This value shows in the UI in Project > Contract > Payment form details > WBS Code in Back charge.	1012
CostCenterReference	Unique reference to the cost Center associated to the back charge. This value shows in the UI in Project > Contract > Payment form details > Back charges Cost center.	XYZ123
CostItemSourceSystemId	Cost item internal ID that is unique for all projects maintained in the InEight cloud platform. This is not shown in the UI.	1
Amount	Total value of the back charge. This value shows in the UI in Project > Contract > Payment form details > Back charges Amount.	100

AccountingLedger	General ledger (GL) account number associated to the cost item, if a specific GL account was selected in the Back Charge. The values in this field are predefined by the customer. This value shows in the UI in Project > Contract > Payment form details > Back charges GL account.	502133
SupportingDocumentDetail	Array of supporting document associated to that Contract of the payment request. This value shows in the UI in Project > Contract > Payment form details > Supporting documents.	
Title	Document name or title. This value shows in the UI in Project > Contract > Payment form details > Supporting documents > Title.	Excuted contract 001
Type	Document type. Possible values are: • Executed Contract • Executed Change Order • Other • Insurance • Meetings • Override Memo • Retention Release Request • Surety • Certification • Draft contract • Draft change order This value shows in the UI in Project > Contract > Payment form details > Supporting documents > Document type.	Executed Contract
Subtype	Document Sub Type. Possible values are: • Auto Liability • General Liability • Umbrella • Worker's Compensation • Other • Bond • Letter Of Credit • Insurance Waiver • Payment Release • Payment Term Waiver • Surety Waiver • Other Waiver • Full Release • Partial Release • Progress Meeting • Joint Venture Meeting • Other This value shows in the UI in Project > Contract > Payment form details > Supporting documents > Subtype.	Other
DocumentURL	Link or location of the document. This value shows in the UI in Project > Contract > Payment form details > Supporting documents > File/Link.	See the Sample JSON for example.
EffectiveDate	Effective date of the document, if any. This value shows in the UI in Project > Contract > Payment form details > Supporting documents > Effective date.	2/2/2018

ExpirationDate	Expiration date of the document, if any. This value shows in the UI in Project > Contract > Payment form details > Supporting documents > Expiration date.	2/18/2019
Status	Status of the Document. Possible values are: • Not Applicable • Pending • Approved • Rejected This value shows in the UI in Project > Contract > Payment form details > Supporting documents > Approval status.	Approved
Approvers	Array of approval details associated to that of the payment request workflow. Records in this array can be repeated for the number of approval steps associated with the pay request workflow. This value shows in the UI in Project > Contract > Contract details > Workflow assignments > Payment form approval setup.	
StepNumber	Workflow step number. This value shows in the UI in Project > Contract > Contract details > Workflow assignments > Payment form approval setup.	001
StepTitle	Workflow step name. This value shows in the UI in Project > Contract > Contract details > Workflow assignments > Payment form approval setup.	Contract Manager
Approver	Identifies who approved or rejected the workflow step. This value shows in the UI in Project > Contract > Contract details > Payment forms > Approval status Hover over	Test User
Status	Status of the workflow step. Possible values are • Not Applicable • Approved • Rejected • Recalled • Failed This value shows in the UI in Project > Contract > Contract details > Payment forms > Approval status.	Approved
ApprovedDateTime	Date and time when approval happened. This value shows in the UI in Project > Contract > Contract details > Payment forms > Approval status Hover over.	3:00:00 2/15/2019

Error Messages

The following error messages are generated by the InEight cloud platform and products for this integration. Errors in the table below are distinguished by the process that checks for the error.

- API validation errors are basic record validations that will be returned to the API request message and cause the entire payload to fail.

- Entity logic errors are performed internally in the InEight cloud platform and products to look for specific business rule or data integrity issues record-by-record. Failures with entity logic validations only cause the individual record to cease processing and are written to internal logging.

API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated.	200	

Sample JSON


```
{
"PayRequest": {
   "LogToken": "2e57ced2-d360-40e5-8672-12b0834b9ac4",
   "PayRequestReference": "0004",
   "VendorReference": "0010045681",
   "LegalEntityReference": "1347 - Constr ServicesULC",
   "ContractReference": "7300000173",
   "ProgressEstimateNumber": "",
   "BillingPeriod": "",
   "CoverLetterURL": "https://mt1t01kwt-qa-201-
sea.hds.ineight.com/CoreWebServices/Documents/86279",
   "ProjectReference": "103652",
   "ProjectSourceSystemId": 71,
   "AgreementNumber": "",
   "AgreementValue": "",
   "PurchaseOrderNumber": "",
   "PurchaseOrderValue": "",
   "Description": "Test Payform",
   "CreatedDate": "02/24/2021",
   "CreatedBy": "000236897",
   "WorkCompletedFromDate": "02/24/2021",
   "WorkCompletedThroughDate": "04/24/2021",
   "GrossAmount": 10.0,
   "Retention": 1.0,
   "NetAmount": 9.0,
   "TotalBackChargeAmount": 2.0,
   "TaxTotal": 1.0,
   "NetPayable": 8.0,
   "RetentionRelease": 100.0,
   "Comments": "Test Payform Comments",
   "PayRequestInvoice": [
      {
      "VendorInvoiceReference": "testret533535",
      "VendorInvoiceDate": "9/4/2024",
      "RetentionReleaseInvoice": true,
      "EstimatedPostingDate": "",
      "CreditMemoFlag": "",
      "InvoiceAttachmentURL": "https://ineightsuite-qa-
249.hds.ineight.com/CoreWebServices/Documents/7865436",
      "GrossAmount": 0.0,
      "RetentionRelease": 100.0,
      "TaxAmount": 0.0,
      "TotalAmount": 0.0,
```

```
      "InvoiceAmount": 0.0,
      "ContractCurrencyReference": "USD",
      "PayRequestInvoiceTax": []
      },
      {
      "VendorInvoiceReference": "111",
      "VendorInvoiceDate": "3/28/2019",
      "RetentionReleaseInvoice": false,
      "EstimatedPostingDate": "",
      "CreditMemoFlag": "",
      "InvoiceAttachmentURL": "https://mt1-201-qa-sea-api-
core.hds.ineight.com/CoreWebServices/Documents/80674",
      "GrossAmount": 100.0,
      "TaxAmount": 0.0,
      "TotalAmount": 100.0,
      "ContractCurrencyReference": "USD",
      "PayRequestInvoiceTax": [
               {
                  "TaxCode": "XP1I",
                  "Description": "A/P Sales Tax 1 Inv.",
                  "TaxAmount": "400"
               },
               {
                  "TaxCode": "XP2I",
                  "Description": "A/P Sales Tax 2 Inv.",
                  "TaxAmount": "200"
               }
            ]
      }
      ],
   "PaymentRequestContractDetail": [
      {
      "ContractDetailReference": "0001",
      "Description": "3 Day service for Cutting Machine",
      "ContractDetailType": "Service",
      "ContractDetailQuantity": 3.0,
      "UnitPrice": 2000.0,
      "UnitPerPrice": 1,
      "ContractDetailAmount": 50.0,
      "ContractDetailTax": 27.0,
      "UnitsOfMeasure": "DAY",
      "PreviousPaidQuantity": 3.0,
      "PreviousNetAmount": 6000.0,
      "RetentionAmount": 4.0,
      "PercentComplete": 100.83,
      "RetentionPercent": 10,
      "RetentionReleaseAmount": 100.0,
      "CreditIndicator": false,
      "ContractCostItemAllocationDetail": [
         {
         "CostItemReference": "1072-Yard Startup - ST&S",
         "CostItemSourceSystemId": 1235,
         "CostCenterReference": "",
         "AccountingLedgerReference": "590070",
         "AllocatedQuantity": 21.3,
         "AllocatedAmount": 8844.29
         }],
```

```
        "PaymentRequestContractDetailTax": [
              {
                 "TaxCode": "XP1I",
                 "Description": "A/P Sales Tax 1 Inv.",
                 "TaxAmount": "300",
                 "TaxRate": "10",
                 "CurrencyReference": "USD",
                 "TaxAmountProjectCurrency": "300",
                 "ProjectCurrencyReference": "USD",
                 "SourceSystemId": "USXP1IA/P Sales Tax 1 Inv.",
                 "IncludeInCommittedCost": "true"
              },
              {
                 "TaxCode": "XP2I",
                 "Description": "A/P Sales Tax 2 Inv.",
                 "TaxAmount": "100",
                 "TaxRate": "5.00",
                 "CurrencyReference": "USD",
                 "TaxAmountProjectCurrency": "100",
                 "ProjectCurrencyReference": "USD",
                 "SourceSystemId": "USXP2IA/P Sales Tax 2 Inv.",
                 "IncludeInCommittedCost": "true"
              }
           ]
     },
     {
     "ContractDetailReference": "0002",
     "ContractDetailSourceSystemId":1,
     "Description": "repair parts for vernon cutting machine",
     "ContractDetailType": "Material",
     "ContractDetailQuantity": 1.0,
     "UnitPrice": 286.85,
     "UnitPerPrice": 1,
     "ContractDetailAmount": 50.0,
     "ContractDetailTax": 28.0,
     "UnitsOfMeasure": "Lump Sum",
     "PreviousPaidQuantity": 1.0,
     "PreviousNetAmount": 286.85,
     "RetentionAmount": 2.5,
     "PercentComplete": 117.43,
     "ContractCostItemAllocationDetail": [
        {
        "CostItemReference": "1006-Shared Services - Craft Recruiting",
        "CostItemSourceSystemId": 23840,
        "CostCenterReference": "",
        "AccountingLedgerReference": "532085",
        "AllocatedQuantity": 58.0,
        "AllocatedAmount": 14500.0
        }
        ]
     }
     ],
  "BackChargeDetail": [
     {
     "BackchargeReference": "0001"
     "Description": "back charge 1",
     "CostItemReference": "1006 - Shared Services - Craft Recruiting",
```

```
      "CostItemSourceSystemId": 1235,
      "CostCenterReference": "",
      "Amount": 10.0,
      "AccountingLedger": "510115 - Labor-Additional Wages",
      }
   ],
   "SupportingDocumentDetail": [
      {
      "Title": "Change order for repair parts",
      "Type": "Executed change order",
      "Subtype": "",
      "DocumentURL": "https://mt1-201-qa-sea-api-
core.hds.ineight.com//CoreWebServices/Documents/9378",
      "EffectiveDate": "",
      "ExpirationDate": "",
      "Status": "Approved"
      },
      {
      "Title": "COI - WC",
      "Type": "Insurance",
      "Subtype": "Worker's compensation",
      "DocumentURL": "https://mt1-201-qa-sea-api-
core.hds.ineight.com//CoreWebServices/Documents/8955",
      "EffectiveDate": "10/01/2017",
      "ExpirationDate": "10/01/2018",
      "Status": "Approved"
      }
   ],
   "Approvers": [
      {
      "StepNumber": "1",
      "StepTitle": "Manager",
      "Approver": "Bhushan",
      "Status": "Approved",
      "ApprovedDateTime": "04/02/2018 14:00:00"
      }
   ]
   }
}]
```

Payment Payform (Response)

Direction		To InEight Contract.
Frequency		Determined by external system.
Trigger Method(s)		Determined by external system.
Average Payload Size		Entire entity – Tens of records.
API Name		Upsert PaymentRequestResponse
InEight Contract	**Starting Version**	18.3
	Ending Version	

Status Updates

This integration is used to provide multiple updates in the invoicing business process. The following tables provide a high-level view of which section of the integration is used for the various update.

Initial Confirmation

When a payment request is submitted to the ERP, InEight Contract expects a response to confirm the request was successfully received and processed by the ERP.

Array Name	Include?	Comment
PayRequest	Yes	Include LogToken and PayRequestStatus
Logger	Optional	Include when error/debug details need to be passed in addition to status.
InvoiceReceipt	Optional	If Invoices have been created in the ERP, include information for them.
InvoiceReceiptItem	No	
InvoiceReceiptPayment	No	

Invoice Status Change

As each invoice in a payment request is processed in the ERP, status updates can be sent to InEight Contract. Informational status updates, such as verifications, are optional but provide useful information to the users of Contract.

This update can also be used for back-outs and cancelations of invoices. In these scenarios, set the DebitCreditIndicator field to H/C to indicate negative values in Amount fields.

Array Name	Include?	Comment
PayRequest	Yes	
Logger	No	
InvoiceReceipt	Yes	
InvoiceReceiptItem	Optional	If posting to Accounting is not completed, there will not be any information to include in the InvoiceReceiptItem
InvoiceReceiptPayment	No	

Posting to Accounting

Array Name	Include?	Comment
PayRequest	Yes	
Logger	No	
InvoiceReceipt	Yes	
InvoiceReceiptItem	Yes	
InvoiceReceiptPayment	No	

Invoice Payment

This can be multiple different updates during a payment process from requesting the check through settlement of funds.

Array Name	Include?	Comment
PayRequest	Yes	
Logger	No	
InvoiceReceipt	Yes	
InvoiceReceiptItem	Yes	
InvoiceReceiptPayment	Yes	

Fields

NOTE:	Not all fields are required in the response depending on request. See the examples and data requirements for different responses.

Depth	Name	Type	Precision[1]	Parent	Req.
1	PayRequestReference	String	10		Yes
1	CreatedDate	String	Date		Yes

Depth	Name	Type	Precision[1]	Parent	Req.
1	PayRequestStatus	String	10		Yes
1	ContractReference	Number	10		Yes
1	LogToken	String	50		No
1	Logger	Array	NA		No
2	Level	String	50	Logger	No
2	Message	String	500	Logger	No
1	InvoiceReceipt	Array	NA		No
2	InvoiceStatus	String	50	InvoiceReceipt	No
2	InvoiceStatusDescription	String	50	InvoiceReceipt	No
2	InvoiceReceiptReference	String	10	InvoiceReceipt	No
2	SourceSystemInvoiceNumber	Number	10	InvoiceReceipt	No
2	PostingDate	String	Date	InvoiceReceipt	No
2	Amount	Decimal	16,5	InvoiceReceipt	No
2	ContractCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	No
2	ContractCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	CurrencyReference	String	25	InvoiceReceipt	No
2	ProjectCurrencyAmount	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyReference	String	25	InvoiceReceipt	No
2	VendorInvoiceReference	String	50	InvoiceReceipt	No
2	InvoicingPartyReference	String	50	InvoiceReceipt	No
2	InvoicePartyName	String	500	InvoiceReceipt	No
2	VendorInvoiceDate	Date	10	InvoiceReceipt	No
2	DocumentYear	Number	10	InvoiceReceipt	No
2	DebitCreditIndicator	String	1	InvoiceReceipt	No
2	PaymentMethod	String	100	InvoiceReceipt	No
2	PaymentBlock	String	1	InvoiceReceipt	No
2	RetentionReleasedAmount	Decimal	16,5	InvoiceReceipt	No
2	ProgressEstimateNumber	String	50	InvoiceReceipt	No
2	BillingPeriod	String	10	InvoiceReceipt	No
2	IsCancelled	String	10	InvoiceReceipt	No
2	IsActive	String	10	InvoiceReceipt	No
2	InvoiceReceiptItem	Array	NA	InvoiceReceipt	

Depth	Name	Type	Precision[1]	Parent	Req.
3	InvoiceItemNumber	Number	10	InvoiceReceiptItem	No
3	ContractDetailReference	Number	10	InvoiceReceiptItem	No
3	InvoiceLineQuantity	Decimal	16,5	InvoiceReceiptItem	No
3	RetentionHeldAmountProjectCurrency	Decimal	16,5	InvoiceReceiptItem	No
3	RetentionHeldAmount	Decimal	16,5	InvoiceReceiptItem	No
3	RetentionReleaseAmount	Decimal	16,5	InvoiceReceiptItem	No
3	RetentionReleaseAmountProjectCurrency	Decimal	16,5	InvoiceReceiptItem	No
3	ContractLineAmount	Decimal	16,5	InvoiceReceiptItem	No
3	ContractLineAmountWithoutTax	Decimal	16,5	InvoiceReceiptItem	No
3	ContractLineAmountTax	Decimal	16,5	InvoiceReceiptItem	No
3	ContractLineAmountTaxDetail	Array	NA	InvoiceReceiptItem	
4	TaxType	String	50	ContractLineAmountTaxDetail	No
4	Description	String	250	ContractLineAmountTaxDetail	No
4	TaxAmount	Number	16,5	ContractLineAmountTaxDetail	No
4	TaxRate	Number	16,5	ContractLineAmountTaxDetail	No
3	InvoiceLineUoM	String	25	InvoiceReceiptItem	No
3	ProjectCurrencyReference	String	25	InvoiceReceiptItem	No
3	ProjectCurrencyLineAmount	Decimal	16,5	InvoiceReceiptItem	No
3	ProjectCurrencyLineAmountWithoutTax	Decimal	16,5	InvoiceReceiptItem	No
3	ProjectCurrencyLineAmountTax	Decimal	16,5	InvoiceReceiptItem	No
3	ProjectCurrencyLineAmountTaxDetail	Array	NA	InvoiceReceiptItem	
4	TaxType	String	50	ProjectCurrencyLineAmountTaxDetail	No
4	Description	String	250	ProjectCurrencyLineAmountTaxDetail	No
4	TaxAmount	Number	16,5	ProjectCurrencyLineAmountTaxDetail	No
4	TaxRate	Number	16,5	ProjectCurrencyLineAmountTaxDetail	No
3	DebitCreditIndicator	String	1	InvoiceReceiptItem	No
3	IsActive	String	10	InvoiceReceiptItem	No
2	InvoiceReceiptPayment	Array	NA	InvoiceReceipt	No
3	PaymentReference	String	10	InvoiceReceiptPayment	No
3	PaymentDate	String	Date	InvoiceReceiptPayment	No
3	PaymentPaid	Decimal	16,5	InvoiceReceiptPayment	No
3	CurrencyReference	String	25	InvoiceReceiptPayment	No
3	PaymentIdentification	String	50	InvoiceReceiptPayment	Yes

Depth	Name	Type	Precision[1]	Parent	Req.
3	PaymentVoidDate	Date	10	InvoiceReceiptPayment	No
3	ProjectCurrencyPaymentAmount	Decimal	16,5	InvoiceReceiptPayment	No
3	ProjectCurrencyReference	String	25	InvoiceReceiptPayment	No
3	IsActive	String	10	InvoiceReceiptPayment	No

1 - For numeric data types, precision is given as total digits allowed in the field and the number of those digits that exist to the right of the decimal. For example, 16,5 represents a total of 16-digits allowed in the field with 5 of those digits existing as decimal places and 11 digits on the left of the decimal. The decimal is not counted as a digit.

Field Descriptions

Name	Description	Example
PayRequestReference	Value from the payment request submission PayRequestReference field. This value shows in the UI in Project > Contract > Payment form details > Payment form ID.	001
CreatedDate	Date of when the payment request was created in the ERP. This value shows in the UI in Project > Contract > Contract details > Payment forms > Created on.	10/24/2017
PayRequestStatus	Values allowed in this field are: • Success - Payment request successfully received in the ERP. • Error - Payment request could not be created in the ERP. • <blank> - Use a blank or "" when sending status updates for individual Invoices. When sending a failure, it is also advised to create an entry in the InEight logging using the LogToken. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP status.	Success/Error
Logger	Array header for sending error messgaes in the response message. User can send multiple error messages (both error level and actual message) as array of values.	
Level	Indicates the severity of the error. Examples of the values include: • INFO • DEBUG • ERROR This is not shown in the UI.	ERROR
Message	Actual error message detailing exception of the issue This value shows in the UI in Project > Contract > Contract details > Sync log > Click on the Log Token.	Accounting assignment mismatch due to incorrect WBS code.
ContractReference	Contract/purchase order ID number. This value shows in the UI in Project > Contract > Contract register > Contract ID.	7200000156

Name	Description	Example
LogToken	LogToken from the payment request submission. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP log token ID.	0907cc42-a77a-44c0-ab95-0bc4f510ce7b
InvoiceReceipt	Array header. For the initial confirmation of receipt of the payment request into the ERP, this array does not need to be included in the payload. However, it is strongly recommended that the confirmation include invoices to provide InEight Contract with information about the invoices for tracking purposes.	
InvoiceStatus	ERP status of the invoice. This is not shown in the UI.	1100
InvoiceStatusDescription	Free-form text description from the ERP. This value shows in the UI in Project > Contract > Contract details > Payment progress > Record status.	Payment Received
InvoiceReceiptReference	Unique ID of the invoice receipt in the ERP. This value shows in the UI in Project > Contract > Contract details > Payment progress > Record Id.	123456
SourceSystemInvoiceNumber	Unique ID of the invoice in the ERP This value shows in the UI in Project > Contract > Contract details > Payment progress > ERP document number.	654311
PostingDate	Date when the invoice was posted to Accounting in the ERP. This value shows in the UI in Project > Contract > Contract details > Payment progress > Posting date.	10/24/2017
Amount	Total of the invoice shown using the currency type defined in CurrencyReference. This is total invoice amount received from ERP system with tax that will be shown in Invoice Register and Payment Progress Tab once the invoice is submitted to external ERP system. This value shows in the UI in Project > Contract > Contract details > Payment progress > Invoice total.	123456.75
ContractCurrencyAmountWithoutTax	Total of the invoice without tax shown using the currency type defined in CurrencyReference. This value shows in the UI in Project > Contract > Contract details > Payment progress > Invoice net amount.	
ContractCurrencyAmountTax	Total tax amount using the currency type defined in CurrencyReference. This value shows in the UI in Project > Contract > Contract details > Payment progress > Invoice tax.	
CurrencyReference	Type of currency used for the value shown in the Amount field. This value shows in the UI in Project > Contract > Contract details > Contract currency.	USD

Name	Description	Example
ProjectCurrencyAmount	Total value of the invoice shown using the currency type defined in ProjectCurrencyReference. This value shows in the UI in Project > Contract > Contract details > Payment progress > Invoice amount (Project currency).	34567879.75
ProjectCurrencyAmountWithoutTax	Total value of the invoice without tax shown using the currency type defined in ProjectCurrencyReference. This value shows in the UI in Project > Contract > Contract details > Payment progress > Invoice net amount (Project currency).	
ProjectCurrencyAmountTax	Total tax amount using the currency type defined in ProjectCurrencyReference. This value shows in the UI in Project > Contract > Contract details > Payment progress > Invoice tax (Project currency).	
ProjectCurrencyReference	Type of currency used for the project. This value shows in the UI in Project > Contract > Contract details > Payment progress > Project currency.	CAD
VendorInvoiceReference	Free-form text field for the invoice number provided by the vendor on the physical invoice. This value shows in the UI in Project > Contract > Contract details > Payment progress > Vendor invoice number.	ABC123456
InvoicingPartyReference	Unique ID of the vendor that provided the invoice. Such as when invoiced by the corporate main office of a vendor that was regionally contracted. This value shows in the UI in Project > Contract > Contract details > Vendor Display Id.	1102345
InvoicePartyName	Name of the vendor on the invoice. This value shows in the UI in Project > Contract > Contract details > Vendor Name.	ACME International
VendorInvoiceDate	Date of the invoice provided by the vendor in mm/dd/yyyy format. This value shows in the UI in Project > Contract > Contract details > Payment progress > Invoice date.	10/24/2018
DocumentYear	Year that is on the invoice. This value shows in the UI in Project > Contract > Contract details > Payment progress > Document year.	2018
DebitCreditIndicator	Indicates whether the value of the amount is positive or negative. • H/C - Negative amount. • S/I - Positive amount. **NOTE:** All values should be included as absolute and only the DebitCreditIndicator should be used to indicate positive or negative values. Values should not be sent as negative in their respective fields. This is not shown in the UI.	S

Name	Description	Example
PaymentMethod	Free-form text field to describe the payment method. This value shows in the UI in Project > Contract > Contract details > Payment progress > Method.	Check
PaymentBlock	Free-form text field used to note if there is a block on the payment. This is not shown in the UI.	L
RetentionReleasedAmount	Amount of retention released with the invoice. This value shows in the UI in Project > Contract > Contract details > Payment progress > Retention released.	123456.56
ProgressEstimateNumber	Free-form text field used to track work completion and payment from project owner to subcontractor. This value shows in the UI in Project > Contract > Contract details > Payment progress > Progress estimate number.	4244242424
BillingPeriod	Billing period in which the payment should be made. This value shows in the UI in Project > Contract > Contract details > Payment progress > Billing period.	02/2017
IsCancelled	This field can be used to send the cancellation status for the invoices. Default value is false in case the field is empty. If set to true and all the invoices for a payment request are cancelled, then the payment request status will show Submission failed. This value shows in the UI in Project > Contract > Contract details > Payment forms > Payment forms status.	false
IsActive	This field can be used to make inactive any Invoice Receipt that has data mistakenly posted in the InEight cloud platform. If the user sends IsActive = *false*, then the Invoice Receipt record will be deleted and does not show in the Contract application Payment Progress Tab. This also deletes the data in the Invoice Register if the invoice is not associated to a payment request. If the deleted invoice is associated with a payment request, then the payment request will still show as Submitted and that payment request data will show in Invoice register. The default value is set to *true* if the field is empty. This is not shown in the UI.	true
InvoiceReceiptItem	Array header.	
InvoiceItemNumber	Unique ID of the invoice line item or accounting document line item. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Invoice Receipt > Document item.	4754644

Name	Description	Example
ContractDetailReference	Purchase order line item for the invoice line that has been allocated. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Line Item Id.	1
InvoiceLineQuantity	Quantity shown on the invoice line. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Invoice Receipt > Quantity Invoiced.	750
RetentionHeldAmountProjectCurrency	Retention amount for the line shown using the project currency.	24424.34
RetentionHeldAmount	Retention amount for the line shown using the local currency. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Invoice Receipt > Retention Withheld.	335563.34
RetentionReleaseAmount	Retention release amount for the line shown using the local currency. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Invoice Receipt > Retention Release.	123456
RetentionReleaseAmountProjectCurrency	Retention release amount for the line shown using the project currency.	4566
ContractLineAmount	Total invoiced amount for the purchase order line associated to the record with Tax. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Invoice Receipt > Total.	45678.78
ContractLineAmountWithoutTax	Total invoiced amount for the purchase order line associated to the record without tax. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Invoice Receipt > Net Amount	30000.00
ContractLineAmountTax	Total invoiced tax amount for the purchase order line associated to the record. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Invoice Receipt > Tax	1234.56
ContractLineAmountTaxDetail	Array header.	
TaxType	Value representing a tax code applied to the line item. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Invoice Receipt > Tax info icon	GST

Name	Description	Example
Description	Short description of the TaxType field. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Invoice Receipt > Tax info icon	Goods & Services Tax
TaxAmount	Amount of tax for the TaxType field. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Invoice Receipt > Tax info icon	154.77
TaxRate	Percentage rate used for the TaxType field. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Invoice Receipt > Tax info icon	5.5
InvoiceLineUoM	Unit of measure used for the line item. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Invoice Receipt > UoM	EA
ProjectCurrencyReference	Project Currency ISO code. This value shows in the UI in Project > Project details > Base currency.	USD
ProjectCurrencyLineAmount	Total amount shown using the project currency. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Invoice Receipt > Total Project Currency	45678.78
ProjectCurrencyLineAmountWithoutTax	Total amount of the purchase order line associated to the record without tax using project currency. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Invoice Receipt > Nte Amount Project Currency	5353553.87
ProjectCurrencyLineAmountTax	Total of the tax amount for the purchase order line associated to the record using project currency. This is not shown in the UI.	53577.90
ProjectCurrencyLineAmountTaxDetail	Array header.	
TaxType	Value representing a tax code applied to the items that are part of ContractLineAmountTax. This is not shown in the UI.	GST
Description	Short description of the TaxType field. This is not shown in the UI.	Goods & Services Tax
TaxAmount	Amount of tax for the TaxType field. This is not shown in the UI.	154.77
TaxRate	Percentage rate used for the TaxType field. This is not shown in the UI.	5.5

Name	Description	Example
DebitCreditIndicator	Indicates whether the value of the amount is positive or negative. • H/C - Negative amount. • S/I - Positive amount. **NOTE:** All values should be included as absolute and only the DebitCreditIndicator should be used to indicate positive or negative values. Values should not be sent as negative in their respective fields. This is not shown in the UI.	S
IsActive	This field can be used to make inactive any invoice allocation to a line item that has data mistakenly posted in the InEight cloud platform. If the user sends IsActive = *false*, then the line item allocation for the Invoice Receipt record will be deleted and it will not show in the Contract application Line Item Progress Accordion and View set. The default value is set to *true* if the field is empty. This is not shown in the UI.	true
InvoiceReceiptPayment	Array header. Use this section for payment status updates.	
PaymentReference	Free-form text field that can be used to provide a unique identifier for the scheduled payment. Such as if the payment method is a check, the check number could be sent in this field. This value shows in the UI in Project > Contract > Contract details > Payment progress > Check number/ACH.	Check #979998123
PaymentDate	Date of the scheduled or actual payment. This value shows in the UI in Project > Contract > Contract details > Payment progress > Date cashed.	10/23/2018
PaymentPaid	Amount of the payment made. This value shows in the UI in Project > Contract > Contract details > Payment progress > Paid amount.	322424.45
CurrencyReference	Type of currency used for the payments. This value shows in the UI in Project > Contract > Contract details > Contract currency.	USD
PaymentIdentification	ERP internal unique ID for the invoice receipt payment record. This is not shown in the UI.	131313
PaymentVoidDate	If a payment has been voided, the date that the void occurred using mm/dd/yyyy format. This value shows in the UI in Project > Contract > Contract details > Payment progress > Payment void date.	10/23/2018
ProjectCurrencyPaymentAmount	Amount of the payment shown in the project currency. This value shows in the UI in Project > Contract > Contract details > Payment progress > Paid amount (Project currency).	322424.45

Name	Description	Example
ProjectCurrencyReference	Currency code of the project currency. This value shows in the UI in Project > Contract > Contract details > Payment progress > Project currency.	USD
IsActive	This field can be used to make inactive any payment information related to invoice receipts that has data mistakenly posted in the InEight cloud platform. If the user sends IsActive = *false*, then the payment information for the Invoice Receipt record will be deleted and it will not show in the Contract application Payment Progress Tab. It will also delete the payment data in the Invoice Register if the invoice is not associated with a payment request. If the deleted invoice is associated with a Payment request, then the Payment Request will still show as Submitted and that payment request data will show in the Invoice register. The default value is set to *true* if the field is empty. This is not shown in the UI.	true

Data Requirements for Reponses

Example 1: Payment form created and submitted in InEight cloud platform

Invoices will be received and entered in Contract. Payment forms will be used to request payment approval from the ERP/accounts department. Payment response is used to communicate status of Payment Form and Invoice in addition to updating invoice and payment progress in InEight.

Note: Invoice amounts sent as part of the Invoice Receipt message will overwrrite values entered in the UI for manually entered invoices (Invoice total in invoice register) and records shown on the payment progress tab. This will not impact values shown in the payment form. Please ensure that values align.

Response to payment request

Use to post acknowledgement and status in response to Payment Form. Posting of invoiceReceipt data is optional. The following table shows the minimum data requirements.

Depth	Name	Type	Precision[1]	Parent	Req.
1	PayRequestReference	String	10		Yes
1	CreatedDate	String	Date		Yes
1	PayRequestStatus	String	10		Yes
1	ContractReference	String	10		Yes
1	LogToken	String	50		Yes
1	Logger	Array	NA		No
2	Level	String	50		No

Depth	Name	Type	Precision[1]	Parent	Req.
2	Message	String	500		No
1	InvoiceReceipt	Array	NA		No

Post Invoice Receipt

Use to post summary invoice data and status to InEight. This step is optional and Invoice Receipt data can be posted with InvoiceReceiptItem data. The following table shows the minimum data requirements.

Depth	Name	Type	Precision[1]	Parent	Req.
1	PayRequestReference	String	10		Yes
1	CreatedDate	String	Date		No
1	PayRequestStatus	String	10		No
1	ContractReference	String	10		Yes
1	LogToken	String	50		No
1	InvoiceReceipt	Array	NA		No
2	InvoiceStatus	String	50	InvoiceReceipt	Yes
2	InvoiceStatusDescription	String	50	InvoiceReceipt	Yes
2	InvoiceReceiptReference	String	10	InvoiceReceipt	Yes
2	SourceSystemInvoiceNumber	Integer	10	InvoiceReceipt	Yes
2	PostingDate	String	Date	InvoiceReceipt	Yes
2	Amount	Decimal	16,5	InvoiceReceipt	Yes
2	ContractCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	No
2	ContractCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	CurrencyReference	String	25	InvoiceReceipt	Yes
2	ProjectCurrencyAmount	Decimal	16,5	InvoiceReceipt	Yes
2	ProjectCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyReference	String	25	InvoiceReceipt	Yes
2	VendorInvoiceReference	String	50	InvoiceReceipt	Yes
2	InvoicingPartyReference	String	50	InvoiceReceipt	No
2	InvoicePartyName	String	500	InvoiceReceipt	No
2	VendorInvoiceDate	String	10	InvoiceReceipt	No
2	DocumentYear	String	10	InvoiceReceipt	Yes
2	DebitCreditIndicator	String	1	InvoiceReceipt	Yes
2	PaymentMethod	String	100	InvoiceReceipt	No

Depth	Name	Type	Precision[1]	Parent	Req.
2	PaymentBlock	String	1	InvoiceReceipt	No
2	RetentionReleasedAmount	Decimal	16,5	InvoiceReceipt	No
2	ProgressEstimateNumber	String	50	InvoiceReceipt	No
2	BillingPeriod	String	10	InvoiceReceipt	No
2	IsCancelled	String	10	InvoiceReceipt	No
2	IsActive	String	10	InvoiceReceipt	No

Post Invoice Receipt Item

Use to post invoice data in ERP and update InEight with InvoiceReceiptItem data. The following table shows the minimum data requirements.

Depth	Name	Type	Precision[1]	Parent	Req.
1	PayRequestReference	String	10		No
1	CreatedDate	String	Date		No
1	PayRequestStatus	String	10		No
1	ContractReference	String	10		Yes
1	LogToken	String	50		No
1	InvoiceReceipt	Array	NA		No
2	InvoiceStatus	String	50	InvoiceReceipt	No
2	InvoiceStatusDescription	String	50	InvoiceReceipt	No
2	InvoiceReceiptReference	String	10	InvoiceReceipt	No
2	SourceSystemInvoiceNumber	Integer	10	InvoiceReceipt	Yes
2	PostingDate	String	Date	InvoiceReceipt	Yes
2	Amount	Decimal	16,5	InvoiceReceipt	Yes
2	ContractCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	No
2	ContractCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	CurrencyReference	String	25	InvoiceReceipt	Yes
2	ProjectCurrencyAmount	Decimal	16,5	InvoiceReceipt	Yes
2	ProjectCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyReference	String	25	InvoiceReceipt	Yes
2	VendorInvoiceReference	String	50	InvoiceReceipt	Yes
2	InvoicingPartyReference	String	50	InvoiceReceipt	No
2	InvoicePartyName	String	500	InvoiceReceipt	No

Depth	Name	Type	Precision[1]	Parent	Req.
2	VendorInvoiceDate	String	10	InvoiceReceipt	No
2	DocumentYear	String	10	InvoiceReceipt	Yes
2	DebitCreditIndicator	String	1	InvoiceReceipt	Yes
2	PaymentMethod	String	100	InvoiceReceipt	No
2	PaymentBlock	String	1	InvoiceReceipt	No
2	RetentionReleasedAmount	Decimal	16,5	InvoiceReceipt	No
2	ProgressEstimateNumber	String	50	InvoiceReceipt	No
2	BillingPeriod	String	10	InvoiceReceipt	No
2	IsCancelled	String	10	InvoiceReceipt	No
2	IsActive	String	10	InvoiceReceipt	No
2	InvoiceReceiptItem	Array	NA	InvoiceReceipt	No
3	InvoiceItemNumber	String	10	InvoiceReceiptItem	Yes
3	ContractDetailReference	String	10	InvoiceReceiptItem	Yes
3	InvoiceLineQuantity	Decimal	16,5	InvoiceReceiptItem	Yes
3	RetentionHeldAmountProjectCurrency	Decimal	16,5	InvoiceReceiptItem	No
3	RetentionHeldAmount	Decimal	16,5	InvoiceReceiptItem	No
	RetentionReleaseAmount	Decimal	16,5	InvoiceReceiptItem	No
	RetentionReleaseAmountProjectCurrency	Decimal	16,5	InvoiceReceiptItem	No
3	ContractLineAmount	Decimal	16,5	InvoiceReceiptItem	Yes
3	ContractLineAmountWithoutTax	Decimal	16,5	InvoiceReceiptItem	Yes
3	ContractLineAmountTax	Decimal	16,5	InvoiceReceiptItem	No
3	ContractLineAmountTaxDetail	Array	NA	InvoiceReceiptItem	
4	TaxType	String	50	ContractLineAmountTaxDetail	No
4	Description	String	250	ContractLineAmountTaxDetail	No
4	TaxAmount	Number	16,5	ContractLineAmountTaxDetail	No
4	TaxRate	Number	16,5	ContractLineAmountTaxDetail	No
3	InvoiceLineUoM	String	25	InvoiceReceiptItem	Yes
3	ProjectCurrencyReference	String	25	InvoiceReceiptItem	No
3	ProjectCurrencyLineAmount	Decimal	16,5	InvoiceReceiptItem	Yes
3	ProjectCurrencyLineAmountWithoutTax	Decimal	16,5	InvoiceReceiptItem	No
3	ProjectCurrencyLineAmountTax	Decimal	16,5	InvoiceReceiptItem	No
3	ProjectCurrencyLineAmountTaxDetail	Array	NA	InvoiceReceiptItem	
4	TaxType	String	50	ProjectCurrencyLineAmountTaxDetail	No

Depth	Name	Type	Precision[1]	Parent	Req.
4	Description	String	250	ProjectCurrencyLineAmountTaxDetail	No
4	TaxAmount	Number	16,5	ProjectCurrencyLineAmountTaxDetail	No
4	TaxRate	Number	16,5	ProjectCurrencyLineAmountTaxDetail	No
3	DebitCreditIndicator	String	1	InvoiceReceiptItem	Yes
3	IsActive	String	10	InvoiceReceiptItem	No
2	InvoiceReceiptPayment	Array	NA	InvoiceReceipt	No

Post Invoice Receipt Payment

Use for invoice payment (part or whole) post payment data to InEight. The following table shows the minimum data requirements.

Depth	Name	Type	Precision[1]	Parent	Req.
1	PayRequestReference	String	10		No
1	CreatedDate	String	Date		No
1	PayRequestStatus	String	10		No
1	ContractReference	String	10		Yes
1	LogToken	String	50		No
1	InvoiceReceipt	Array	NA		No
2	InvoiceStatus	String	50	InvoiceReceipt	No
2	InvoiceStatusDescription	String	50	InvoiceReceipt	No
2	InvoiceReceiptReference	String	10	InvoiceReceipt	Yes
2	SourceSystemInvoiceNumber	Integer	10	InvoiceReceipt	Yes
2	PostingDate	String	Date	InvoiceReceipt	Yes
2	Amount	Decimal	16,5	InvoiceReceipt	Yes
2	ContractCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	No
2	ContractCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	CurrencyReference	String	25	InvoiceReceipt	Yes
2	ProjectCurrencyAmount	Decimal	16,5	InvoiceReceipt	Yes
2	ProjectCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyReference	String	25	InvoiceReceipt	Yes
2	VendorInvoiceReference	String	50	InvoiceReceipt	Yes
2	InvoicingPartyReference	String	50	InvoiceReceipt	No
2	InvoicePartyName	String	500	InvoiceReceipt	No

Depth	Name	Type	Precision[1]	Parent	Req.
2	VendorInvoiceDate	String	10	InvoiceReceipt	No
2	DocumentYear	String	10	InvoiceReceipt	Yes
2	DebitCreditIndicator	String	1	InvoiceReceipt	Yes
2	PaymentMethod	String	100	InvoiceReceipt	Yes
2	PaymentBlock	String	1	InvoiceReceipt	No
2	RetentionReleasedAmount	Decimal	16,5	InvoiceReceipt	No
2	ProgressEstimateNumber	String	50	InvoiceReceipt	No
2	BillingPeriod	String	10	InvoiceReceipt	No
2	IsCancelled	String	10	InvoiceReceipt	No
2	IsActive	String	10	InvoiceReceipt	No
2	InvoiceReceiptItem	Array	NA	InvoiceReceipt	No
2	InvoiceReceiptPayment	Array	NA	InvoiceReceipt	Yes
3	PaymentReference	String	10	InvoiceReceiptPayment	Yes
3	PaymentDate	String	Date	InvoiceReceiptPayment	Yes
3	PaymentPaid	Decimal	16,5	InvoiceReceiptPayment	Yes
3	CurrencyReference	String	25	InvoiceReceiptPayment	Yes
3	PaymentIdentification	String	50	InvoiceReceiptPayment	Yes
3	PaymentVoidDate	String	10	InvoiceReceiptPayment	No
3	ProjectCurrencyPaymentAmount	Decimal	16,5	InvoiceReceiptPayment	Yes
3	ProjectCurrencyReference	String	25	InvoiceReceiptPayment	Yes
3	IsActive	String	10	InvoiceReceiptPayment	No

Example 2: Without Payment Form – Invoice not created in InEight cloud platform

Where Contract Type has been set to not use Payment Forms, the invoice data is posted directly from an ERP to inform Contract of invoice and payment progress.

Post Invoice Receipt

Post of InvoiceReceipt data only is not able to be used without InvoiceReceiptItem data.

Post Invoice Receipt Item

Invoice data is entered directly into ERP without a Payment Request, and then posted to InEight. The following table shows the minimum data requirements.

Depth	Name	Type	Precision[1]	Parent	Req.
1	PayRequestReference	String	10		No

Depth	Name	Type	Precision[1]	Parent	Req.
1	CreatedDate	String	Date		No
1	PayRequestStatus	String	10		No
1	ContractReference	String	10		Yes
1	LogToken	String	50		No
1	InvoiceReceipt	Array	NA		No
2	InvoiceStatus	String	50	InvoiceReceipt	No
2	InvoiceStatusDescription	String	50	InvoiceReceipt	No
2	InvoiceReceiptReference	String	10	InvoiceReceipt	No
2	SourceSystemInvoiceNumber	Integer	10	InvoiceReceipt	Yes
2	PostingDate	String	Date	InvoiceReceipt	Yes
2	Amount	Decimal	16,5	InvoiceReceipt	Yes
2	ContractCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	No
2	ContractCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	CurrencyReference	String	25	InvoiceReceipt	Yes
2	ProjectCurrencyAmount	Decimal	16,5	InvoiceReceipt	Yes
2	ProjectCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyReference	String	25	InvoiceReceipt	Yes
2	VendorInvoiceReference	String	50	InvoiceReceipt	Yes
2	InvoicingPartyReference	String	50	InvoiceReceipt	No
2	InvoicePartyName	String	500	InvoiceReceipt	No
2	VendorInvoiceDate	String	10	InvoiceReceipt	No
2	DocumentYear	String	10	InvoiceReceipt	Yes
2	DebitCreditIndicator	String	1	InvoiceReceipt	Yes
2	PaymentMethod	String	100	InvoiceReceipt	No
2	PaymentBlock	String	1	InvoiceReceipt	No
2	RetentionReleasedAmount	Decimal	16,5	InvoiceReceipt	No
2	ProgressEstimateNumber	String	50	InvoiceReceipt	No
2	BillingPeriod	String	10	InvoiceReceipt	No
2	IsCancelled	String	10	InvoiceReceipt	No
2	IsActive	String	10	InvoiceReceipt	No
2	InvoiceReceiptItem	Array	NA	InvoiceReceipt	
3	InvoiceItemNumber	String	10	InvoiceReceiptItem	Yes
3	ContractDetailReference	String	10	InvoiceReceiptItem	Yes

Depth	Name	Type	Precision[1]	Parent	Req.
3	InvoiceLineQuantity	Decimal	16,5	InvoiceReceiptItem	Yes
3	RetentionHeldAmountProjectCurrency	Decimal	16,5	InvoiceReceiptItem	No
3	RetentionHeldAmount	Decimal	16,5	InvoiceReceiptItem	No
3	RetentionReleaseAmount	Decimal	16,5	InvoiceReceiptItem	No
3	RetentionReleaseAmountProjectCurrency	Decimal	16,5	InvoiceReceiptItem	No
3	ContractLineAmount	Decimal	16,5	InvoiceReceiptItem	Yes
3	ContractLineAmountWithoutTax	Decimal	16,5	InvoiceReceiptItem	Yes
3	ContractLineAmountTax	Decimal	16,5	InvoiceReceiptItem	No
3	ContractLineAmountTaxDetail	Array	NA	InvoiceReceiptItem	
4	TaxType	String	50	ContractLineAmountTaxDetail	No
4	Description	String	250	ContractLineAmountTaxDetail	No
4	TaxAmount	Number	16,5	ContractLineAmountTaxDetail	No
4	TaxRate	Number	16,5	ContractLineAmountTaxDetail	No
3	InvoiceLineUoM	String	25	InvoiceReceiptItem	Yes
3	ProjectCurrencyReference	String	25	InvoiceReceiptItem	No
3	ProjectCurrencyLineAmount	Decimal	16,5	InvoiceReceiptItem	Yes
3	ProjectCurrencyLineAmountWithoutTax	Decimal	16,5	InvoiceReceiptItem	No
3	ProjectCurrencyLineAmountTax	Decimal	16,5	InvoiceReceiptItem	No
3	ProjectCurrencyLineAmountTaxDetail	Array	NA	InvoiceReceiptItem	
4	TaxType	String	50	ProjectCurrencyLineAmountTaxDetail	No
4	Description	String	250	ProjectCurrencyLineAmountTaxDetail	No
4	TaxAmount	Number	16,5	ProjectCurrencyLineAmountTaxDetail	No
4	TaxRate	Number	16,5	ProjectCurrencyLineAmountTaxDetail	No
3	DebitCreditIndicator	String	1	InvoiceReceiptItem	Yes
3	IsActive	String	10	InvoiceReceiptItem	No
2	InvoiceReceiptPayment	Array	NA	InvoiceReceipt	No

Post Invoice Receipt Payment

Use to post invoice payment data from ERP against invoice in InEight. The following table shows the minimum data requirements.

Depth	Name	Type	Precision[1]	Parent	Req.
1	PayRequestReference	String	10		No
1	CreatedDate	String	Date		No

Depth	Name	Type	Precision[1]	Parent	Req.
1	PayRequestStatus	String	10		No
1	ContractReference	String	10		Yes
1	LogToken	String	50		No
1	InvoiceReceipt	Array	NA		
2	InvoiceStatus	String	50	InvoiceReceipt	No
2	InvoiceStatusDescription	String	50	InvoiceReceipt	No
2	InvoiceReceiptReference	String	10	InvoiceReceipt	No
2	SourceSystemInvoiceNumber	Integer	10	InvoiceReceipt	Yes
2	PostingDate	String	Date	InvoiceReceipt	Yes
2	Amount	Decimal	16,5	InvoiceReceipt	Yes
2	ContractCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	No
2	ContractCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	CurrencyReference	String	25	InvoiceReceipt	Yes
2	ProjectCurrencyAmount	Decimal	16,5	InvoiceReceipt	Yes
2	ProjectCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyReference	String	25	InvoiceReceipt	Yes
2	VendorInvoiceReference	String	50	InvoiceReceipt	Yes
2	InvoicingPartyReference	String	50	InvoiceReceipt	No
2	InvoicePartyName	String	500	InvoiceReceipt	No
2	VendorInvoiceDate	String	10	InvoiceReceipt	No
2	DocumentYear	String	10	InvoiceReceipt	Yes
2	DebitCreditIndicator	String	1	InvoiceReceipt	Yes
2	PaymentMethod	String	100	InvoiceReceipt	Yes
2	PaymentBlock	String	1	InvoiceReceipt	No
2	RetentionReleasedAmount	Decimal	16,5	InvoiceReceipt	No
2	ProgressEstimateNumber	String	50	InvoiceReceipt	No
2	BillingPeriod	String	10	InvoiceReceipt	No
2	IsCancelled	String	10	InvoiceReceipt	No
2	IsActive	String	10	InvoiceReceipt	No
2	InvoiceReceiptItem	Array	NA	InvoiceReceipt	No
2	InvoiceReceiptPayment	Array	NA	InvoiceReceipt	Yes
3	PaymentReference	String	10	InvoiceReceiptPayment	Yes
3	PaymentDate	String	Date	InvoiceReceiptPayment	Yes

Depth	Name	Type	Precision[1]	Parent	Req.
3	PaymentPaid	Decimal	16,5	InvoiceReceiptPayment	Yes
3	CurrencyReference	String	25	InvoiceReceiptPayment	Yes
3	PaymentIdentification	String	50	InvoiceReceiptPayment	Yes
3	PaymentVoidDate	String	10	InvoiceReceiptPayment	No
3	ProjectCurrencyPaymentAmount	Decimal	16,5	InvoiceReceiptPayment	Yes
3	ProjectCurrencyReference	String	25	InvoiceReceiptPayment	Yes
3	IsActive	String	10	InvoiceReceiptPayment	No

Example 3: Without Payment Form – Invoice created in InEight cloud platform

Invoices are created in InEight to load the invoice document prior to data being posted from the ERP. The ERP Invoice Receipt Item and Payment data is then posted against the invoice.

Post Invoice Receipt 3-1

Post of InvoiceReceipt data only is not able to be used without InvoiceReceiptItem data.

Post Invoice Receipt Item 3-2

Data requirements are per Example 2 Post Invoice Receipt Item, however the following items are required to match the Invoice that has been created in InEight.

Depth	Name	Type	Precision[1]	Parent	Req.
1	PayRequestReference	String	10		No
1	CreatedDate	String	Date		No
1	PayRequestStatus	String	10		No
1	ContractReference	String	10		Yes
1	LogToken	String	50		No
1	InvoiceReceipt	Array	NA		
2	InvoiceStatus	String	50	InvoiceReceipt	No
2	InvoiceStatusDescription	String	50	InvoiceReceipt	No
2	InvoiceReceiptReference	String	10	InvoiceReceipt	No
2	SourceSystemInvoiceNumber	Integer	10	InvoiceReceipt	Yes
2	PostingDate	String	Date	InvoiceReceipt	Yes
2	Amount	Decimal	16,5	InvoiceReceipt	Yes
2	ContractCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	Yes
2	ContractCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	CurrencyReference	String	25	InvoiceReceipt	Yes

Depth	Name	Type	Precision[1]	Parent	Req.
2	ProjectCurrencyAmount	Decimal	16,5	InvoiceReceipt	Yes
2	ProjectCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyReference	String	25	InvoiceReceipt	Yes
2	VendorInvoiceReference	String	50	InvoiceReceipt	Yes
2	InvoicingPartyReference	String	50	InvoiceReceipt	No
2	InvoicePartyName	String	500	InvoiceReceipt	No
2	VendorInvoiceDate	String	10	InvoiceReceipt	No
2	DocumentYear	String	10	InvoiceReceipt	Yes
2	DebitCreditIndicator	String	1	InvoiceReceipt	Yes
2	PaymentMethod	String	100	InvoiceReceipt	No
2	PaymentBlock	String	1	InvoiceReceipt	No
2	RetentionReleasedAmount	Decimal	16,5	InvoiceReceipt	No
2	ProgressEstimateNumber	String	50	InvoiceReceipt	No
2	BillingPeriod	String	10	InvoiceReceipt	No
2	IsCancelled	String	10	InvoiceReceipt	No
2	IsActive	String	10	InvoiceReceipt	No
2	InvoiceReceiptItem	Array	NA	InvoiceReceipt	
3	InvoiceItemNumber	String	10	InvoiceReceiptItem	Yes
3	ContractDetailReference	String	10	InvoiceReceiptItem	Yes
3	InvoiceLineQuantity	Decimal	16,5	InvoiceReceiptItem	Yes
3	RetentionHeldAmountProjectCurrency	Decimal	16,5	InvoiceReceiptItem	No
3	RetentionHeldAmount	Decimal	16,5	InvoiceReceiptItem	No
3	RetentionReleaseAmount	Decimal	16,5	InvoiceReceiptItem	No
3	RetentionReleaseAmountProjectCurrency	Decimal	16,5	InvoiceReceiptItem	No
3	ContractLineAmount	Decimal	16,5	InvoiceReceiptItem	Yes
3	ContractLineAmountWithoutTax	Decimal	16,5	InvoiceReceiptItem	Yes
3	ContractLineAmountTax	Decimal	16,5	InvoiceReceiptItem	No
3	ContractLineAmountTaxDetail	Array	NA	InvoiceReceiptItem	
4	TaxType	String	50	ContractLineAmountTaxDetail	No
4	Description	String	250	ContractLineAmountTaxDetail	No
4	TaxAmount	Number	16,5	ContractLineAmountTaxDetail	No
4	TaxRate	Number	16,5	ContractLineAmountTaxDetail	No

Depth	Name	Type	Precision[1]	Parent	Req.
3	InvoiceLineUoM	String	25	InvoiceReceiptItem	Yes
3	ProjectCurrencyReference	String	25	InvoiceReceiptItem	No
3	ProjectCurrencyLineAmount	Decimal	16,5	InvoiceReceiptItem	Yes
3	ProjectCurrencyLineAmountWithoutTax	Decimal	16,5	InvoiceReceiptItem	No
3	ProjectCurrencyLineAmountTax	Decimal	16,5	InvoiceReceiptItem	No
3	ProjectCurrencyLineAmountTaxDetail	Array	NA	InvoiceReceiptItem	
4	TaxType	String	50	ProjectCurrencyLineAmountTaxDetail	No
4	Description	String	250	ProjectCurrencyLineAmountTaxDetail	No
4	TaxAmount	Number	16,5	ProjectCurrencyLineAmountTaxDetail	No
4	TaxRate	Number	16,5	ProjectCurrencyLineAmountTaxDetail	No
3	DebitCreditIndicator	String	1	InvoiceReceiptItem	Yes
3	IsActive	String	10	InvoiceReceiptItem	No
2	InvoiceReceiptPayment	Array	NA	InvoiceReceipt	No

Post Invoice Receipt Payment

Data requirements are per Example 2 Post Invoice Receipt Payment.

Depth	Name	Type	Precision[1]	Parent	Req.
1	PayRequestReference	String	10		No
1	CreatedDate	String	Date		No
1	PayRequestStatus	String	10		No
1	ContractReference	String	10		Yes
1	LogToken	String	50		No
1	InvoiceReceipt	Array	NA		
2	InvoiceStatus	String	50	InvoiceReceipt	No
2	InvoiceStatusDescription	String	50	InvoiceReceipt	No
2	InvoiceReceiptReference	String	10	InvoiceReceipt	No
2	SourceSystemInvoiceNumber	Integer	10	InvoiceReceipt	Yes
2	PostingDate	String	Date	InvoiceReceipt	Yes
2	Amount	Decimal	16,5	InvoiceReceipt	Yes
2	ContractCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	No
2	ContractCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	CurrencyReference	String	25	InvoiceReceipt	Yes
2	ProjectCurrencyAmount	Decimal	16,5	InvoiceReceipt	Yes

Depth	Name	Type	Precision[1]	Parent	Req.
2	ProjectCurrencyAmountWithoutTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyAmountTax	Decimal	16,5	InvoiceReceipt	No
2	ProjectCurrencyReference	String	25	InvoiceReceipt	Yes
2	VendorInvoiceReference	String	50	InvoiceReceipt	Yes
2	InvoicingPartyReference	String	50	InvoiceReceipt	No
2	InvoicePartyName	String	500	InvoiceReceipt	No
2	VendorInvoiceDate	String	10	InvoiceReceipt	No
2	DocumentYear	String	10	InvoiceReceipt	Yes
2	DebitCreditIndicator	String	1	InvoiceReceipt	Yes
2	PaymentMethod	String	100	InvoiceReceipt	Yes
2	PaymentBlock	String	1	InvoiceReceipt	No
2	RetentionReleasedAmount	Decimal	16,5	InvoiceReceipt	No
2	ProgressEstimateNumber	String	50	InvoiceReceipt	No
2	BillingPeriod	String	10	InvoiceReceipt	No
2	IsCancelled	String	10	InvoiceReceipt	No
2	IsActive	String	10	InvoiceReceipt	No
2	InvoiceReceiptItem	Array		InvoiceReceipt	No
2	InvoiceReceiptPayment	Array	NA	InvoiceReceipt	Yes
3	PaymentReference	String	10	InvoiceReceiptPayment	Yes
3	PaymentDate	String	Date	InvoiceReceiptPayment	Yes
3	PaymentPaid	Decimal	16,5	InvoiceReceiptPayment	Yes
3	CurrencyReference	String	25	InvoiceReceiptPayment	Yes
3	PaymentIdentification	String	50	InvoiceReceiptPayment	Yes
3	PaymentVoidDate	String	10	InvoiceReceiptPayment	No
3	ProjectCurrencyPaymentAmount	Decimal	16,5	InvoiceReceiptPayment	Yes
3	ProjectCurrencyReference	String	25	InvoiceReceiptPayment	Yes
3	IsActive	String	10	InvoiceReceiptPayment	No

Posting Multiple Invoice Data

Where Invoice Receipt Item and Payment data is posted as periodic reports the uploads can have multiple Contract-Invoice data sets.

Invoice Receipt Item

Post data as collection of Payment Response items. Data requirements per PaymentReponse array are per Example 3 Post Invoice Receipt Item.

```
[{
"PaymentResponse": [
   {....}]
},
{
"PaymentResponse": [
   {....}]
}
]
```

Invoice Receipt Payment

Post data as collection of Payment Response items. Data requirements per PaymentReponse array are per Example 3 Post Invoice Receipt Payment.

```
[{
"PaymentResponse": [
   {....}]
},
{
"PaymentResponse": [
   {....}]
}
]
```

Error Messages

The following error messages are generated by the InEight cloud platform and products for this integration. Errors in the table below are distinguished by the process that checks for the error.

- API validation errors are basic record validations that will be returned to the API request message and cause the entire payload to fail.
- Entity logic errors are performed internally in the InEight cloud platform and products to look for specific business rule or data integrity issues record-by-record. Failures with entity logic validations only cause the individual record to cease processing and are written to internal logging.

Below errors can be seen when the user accesses the Locaton url from the Response Header for request message.

Response Headers


```
{
  "access-control-allow-credentials": "true",
  "access-control-allow-origin": "https://ineightsuite-qa-253.hds.ineight.com",
  "access-control-expose-headers": "Request-Context",
  "cache-control": "no-store, must-revalidate, no-cache",
  "content-length": "3",
  "content-type": "application/json; charset=utf-8",
  "date": "Fri, 23 May 2025 16:25:02 GMT",
  "expires": "Fri, 23 May 2025 16:25:02 GMT",
  "location": "https://ineightsuite-qa-253.hds.ineight.com/ExternalSystem//Messages/ImportStatus?requestId=99d64837-5c
  "pragma": "no-cache",
  "request-context": "appId=cid-v1:43092f52-46aa-4752-b49a-d67dd6bdee64",
  "retry-after": "10",
  "server": "Microsoft-IIS/10.0",
  "strict-transport-security": "max-age=31536000; includeSubDomains; preload",
  "x-powered-by": "ASP.NET",
  "x-requestid": "a93fface-d4f1-4e1e-88c6-3162ffd1111"
}
```


API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated.	202	{"Logs":[]}
API Validation	Invalid Contract Number	202	Contract does not exist for payform
API Validation	Invalid Payment Form request number	202	Payment request reference <<Payment from request code from json>> does not exist for Contract <<contract number>>

Sample JSON


```
[{
   "PayRequestReference": "",
   "CreatedDate": "10/28/2017",
   "PayRequestStatus": "",
   "ContractReference": "7400100104",
   "LogToken": "",
      "Logger": [
         {
         "Level": "ERROR",
         "Message": "Purchase order still contains faulty items"
         },{
         "Level": "INFO",
         "Message": "Change Price Unit could not be affected"
         }
      ],
   "InvoiceReceipt": [
      {
      "InvoiceStatus": "1010",
      "InvoiceStatusDescription": "E-Invoice received",
      "InvoiceReceiptReference": "5657448",
      "SourceSystemInvoiceNumber": "5611478",
      "PostingDate": "10/28/2017",
      "Amount": "122.00",
      "CurrencyReference": "3",
      "ProjectCurrencyAmount": "888.00",
      "ProjectCurrencyReference": "USD",
      "VendorInvoiceReference": "1234765",
      "InvoicingPartyReference": "8",
```

```
    "InvoicingPartyName": "test",
    "VendorInvoiceDate": "10/28/2017",
    "DocumentYear": "2017",
    "DebitCreditIndicator": "S",
    "PaymentMethod": "test",
    "PaymentBlock": "L",
    "RetentionReleasedAmount": "892.63",
    "ProgressEstimateNumber": "test",
    "BillingPeriod": "02/2013",
    "InvoiceReceiptItem": [
      {
      "InvoiceItemNumber": "427835",
      "ContractDetailReference": "1",
      "InvoiceLineQuantity": "433",
      "RetentionHeldAmountProjectCurrency": "86.68",
      "RetentionHeldAmount": "35.45",
      "ContractLineAmount": "397.5",
      "ContractLineAmountWithoutTax": "357.87",
      "ContractLineAmountTax": "39.63",
      "ContractLineAmountTaxDetail": [
        {
        "TaxType": "GST/PST",
        "Description": "Goods and Services Tax",
        "TaxAmount": "30",
        "TaxRate": "15"
        },
        {
        "TaxType": "HST",
        "Description": "Goods and Services Tax",
        "TaxAmount": "60",
        "TaxRate": "30"
        }
      ],
      "InvoiceLineUoM": "EA",
      "ProjectCurrencyLineAmount": "112.89",
      "ProjectCurrencyLineAmount": "112.89",
      "ProjectCurrencyLineAmountWithoutTax": "357.87",
      "ProjectCurrencyLineAmountTax": "39.63",
      "ProjectCurrencyReference": "USD",
      "ProjectCurrencyLineAmountTaxDetail": [
        {
        "TaxType": "GST/PST",
        "Description": "Goods and Services Tax",
        "TaxAmount": "27",
        "TaxRate": "15"
        },
        {
        "TaxType": "HST",
        "Description": "Goods and Services Tax",
        "TaxAmount": "60",
        "TaxRate": "30"
        },
      {
      "InvoiceItemNumber": "313331",
      "ContractDetailReference": "2",
      "InvoiceLineQuantity": "2433",
      "RetentionHeldAmountProjectCurrency": "186.68",
```

```
        "RetentionHeldAmount": "135.45",
        "RetentionReleaseAmount": "100",
        "RetentionReleaseAmountProjectCurrency": "100",
        "ContractLineAmount": "1397.5",
        "ContractLineAmountWithoutTax": "1357.87",
        "ContractLineAmountTax": "139.63",
        "ContractLineAmountTaxDetail": [
           {
           "TaxType": "GST/PST",
           "Description": "Goods and Services Tax",
           "TaxAmount": "30",
           "TaxRate": "15"
           },
           {
           "TaxType": "HST",
           "Description": "Goods and Services Tax",
           "TaxAmount": "60",
           "TaxRate": "30"
           }
        ],
        "InvoiceLineUoM": "EA",
        "ProjectCurrencyLineAmount": "1112.89",
        "ProjectCurrencyLineAmount": "1112.89",
        "ProjectCurrencyLineAmountWithoutTax": "1357.87",
        "ProjectCurrencyLineAmountTax": "139.63",
        "ProjectCurrencyReference": "USD",
        "ProjectCurrencyLineAmountTaxDetail": [
           {
           "TaxType": "GST/PST",
           "Description": "Goods and Services Tax",
           "TaxAmount": "27",
           "TaxRate": "15"
           },
           {
           "TaxType": "HST",
           "Description": "Goods and Services Tax",
           "TaxAmount": "60",
           "TaxRate": "30"
           }

        ],
        "DebitCreditIndicator": "S",
        "IsActive": "true",
        }],
     "InvoiceReceiptPayment": [
        {
        "PaymentReference": "64",
        "PaymentDate": "10/28/2017",
        "PaymentPaid": "1456.389",
        "CurrencyReference": "37",
        "PaymentIdentification": "test",
        "PaymentVoidDate": "10/28/2017",
        "ProjectCurrencyPaymentAmount": "25.2",
        "ProjectCurrencyReference": "USD",
        "IsActive": "true",
        }],
     "IsCancelled": "true",
```

```
        "IsActive": "true",
        "ContractCurrencyAmountWithoutTax": "200",
        "ContractCurrencyAmountTax": "90.0",
        "ProjectCurrencyAmountWithoutTax": "200",
        "ProjectCurrencyAmountTax": "90.0"
        }]
}]
```


Verification

The InEight Contract Sync Log shows Success in the ERP Status column for the payment request submission.

The Record Id number and received status is shown in the payment request on the Invoice Attachments tab.

Goods Receipt (Request)

Direction		From InEight Contract
Frequency		Manually triggered in InEight Contract by a user initiating a request.
Trigger Method(s)		Request receipt action in the InEight Contract UI
Average Payload Size		One contract per request
API Name		Not available in APIM.
InEight Contract	**Starting Version**	18.4
	Ending Version	

Configuration

The configuration information is entered via the InEight cloud platform UI. From the System menu Application integrations page, add an entity to show the configuration options.

Configuration Option	Description	Example	Req.
Entity	Contract: Receipt request	NA	Yes
URI	Full endpoint URL destination path for the external system where payment requests are sent.	https://<address>/contractmgtreceiptrequest	Yes
Username	Security credential for username expected by the receiving system.	InEightContractMgtIntegrations	No
Password	Security credential for password expected by the receiving system.	Password123	No

Fields

Depth	Name	Type	Precision[1]	Parent
1	LogToken	String	50	
1	CreatedByReference	String	10	
1	ContractReference	String	10	
1	GoodsReceiptRequestID	String	10	
1	GoodsReceiptDescription	String	100	
1	GoodsReceiptCreationDate	String	10	
1	GoodsReceiptPostingDate	String	10	
1	ReversePriorGoodsReceipt	String	1	
1	ProjectReference	String	10	
1	ProjectSourceSystemId	Number	10	
1	LegalEntityReference	String	10	
1	AgreementNumber	String	20	
1	AgreementValue	Number	16,5	
1	PurchaseOrderNumber	String	20	
1	PurchaseOrderValue	Number	16,5	
1	TotalGoodsReceiptAmount	Decimal	16,5	
1	Currency	String	10	
1	VendorReference	String	100	
1	VendorDescription	String	100	
1	DeliveryNumber	String	100	
1	GRNonValuatedFlag	String	10	
1	GoodsReceiptDocumentURL	String	500	
1	GoodsReceiptRequestDetail	Array	NA	
2	ContractDetailReference	String	10	GoodsReceiptRequestDetail
2	ContractDetailSourceSystemId	Number	10	GoodsReceiptRequestDetail
2	ContractDetailTypeReference	String	10	GoodsReceiptRequestDetail
2	Quantity	Decimal	16,5	GoodsReceiptRequestDetail
2	Amount	Decimal	16,5	GoodsReceiptRequestDetail
2	ReversedGoodsReceiptRequestId	String	10	GoodsReceiptRequestDetail
2	ReversedGoodsReceiptERPReference	String	10	GoodsReceiptRequestDetail
2	ContractDetailDescription	String	100	GoodsReceiptRequestDetail

Depth	Name	Type	Precision[1]	Parent
2	ContractDetailQuantity	Number	16,5	GoodsReceiptRequestDetail
2	UnitOfMeasureReference	String	20	GoodsReceiptRequestDetail
2	UnitPrice	Number	16,5	GoodsReceiptRequestDetail
2	UnitsPerPrice	Number	16,5	GoodsReceiptRequestDetail
2	ContractDetailNetPrice	Number	16,5	GoodsReceiptRequestDetail
2	PreviouslyReceivedQuantity	Number	16,5	GoodsReceiptRequestDetail
2	ContractDetailTaxAmount	Number	16,5	GoodsReceiptRequestDetail
2	TaxAmountProjectCurrency	Number	16,5	GoodsReceiptRequestDetail
2	GoodsReceiptRequestDetailCostItem	Array		
3	CostCenterReference	String	20	GoodsReceiptRequestDetailCostItem
3	CostItemReference	String	50	GoodsReceiptRequestDetailCostItem
3	CostItemSourceSystemId	Number	10	GoodsReceiptRequestDetailCostItem
3	AccountingLedgerReference	String	20	GoodsReceiptRequestDetailCostItem
3	LineItemCode	String	10	GoodsReceiptRequestDetailCostItem
2	ContractDetailEstimatedTax	Array		GoodsReceiptRequestDetail
3	TaxCode	String	50	ContractDetailEstimatedTax
3	Description	String	200	ContractDetailEstimatedTax
3	TaxAmount	Number	16,5	ContractDetailEstimatedTax
3	TaxRate	Number	16,5	ContractDetailEstimatedTax
3	CurrencyReference	String	10	ContractDetailEstimatedTax
3	TaxAmountProjectCurrency	Number	16,5	ContractDetailEstimatedTax
3	ProjectCurrencyReference	String	10	ContractDetailEstimatedTax
3	SourceSystemId	String	50	ContractDetailEstimatedTax
3	IncludeInCommittedCost	String	5	ContractDetailEstimatedTax

1 - For numeric data types, precision is given as total digits allowed in the field and the number of those digits that exist to the right of the decimal. For example, 16,5 represents a total of 16-digits allowed in the field with 5 of those digits existing as decimal places and 11 digits on the left of the decimal. The decimal is not counted as a digit.

Field Descriptions

Name	Description	Example
LogToken	Unique identifier for the integration message. The Log Token sent in this field must be returned in the response in the corresponding LogToken field. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP log token ID.	c53177a2-05cf-470d-9535-6a9ef49b9f22

Name	Description	Example
CreatedByReference	User [SourceSystemId] that created the goods receipt in the ERP. **NOTE:** This data is not validated against users in the InEight cloud platform. This value shows in the UI in Project > Contract > Accruals Receipts register > Created by.	00346767
ContractReference	Contract number. This value shows in the UI in Project > Contract > Goods receipt details > Contract.	656874444566
GoodsReceiptRequestID	Goods receipt request number ID. This value shows in the UI in Project > Contract > Accruals Receipts register > ID.	0002
GoodsReceiptDescription	This goods receipt description comes back from ERP system. This value shows in the UI in Project > Contract > Goods receipt details > Description.	Goods received for period Q2
GoodsReceiptCreationDate	Date that the goods receipt is created using mm/dd/yyyy format. This value shows in the UI in Project > Contract > Accruals Receipts register > Created date.	02/20/2019
GoodsReceiptPostingDate	Date that the actual goods receipt is posted using mm/dd/yyyy format. This value shows in the UI in Project > Contract > Goods receipt details > Posting date.	02/03/2019
ReversePriorGoodsReceipt	Indicates if this is a reversal of prior goods receipt created by the ERP system. In this case, all amount fields will be negative. This is not shown in the UI.	true
ProjectReference	Project SourceSystemId. This value shows in the UI in Project > Project details > Project ID.	100344
ProjectSourceSystemId	Project internal ID that is a unique number maintained in the InEight cloud platform. This is not shown in the UI.	1
LegalEntityReference	Legal entity SourceSystemId. This value shows in the UI in Project > Project settings > Contracts > Project ERP attributes > Company code.	1354
AgreementNumber	A free-form text field that can be manually filled by a user via the Contract UI or filled in the integration response message or the value from a dropdown representing association to a Master Agreement ID in InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Agreement ID.	5560789536

Name	Description	Example
AgreementValue	An open numeric (decimal) field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Agreement value.	20,000,000.00
PurchaseOrderNumber	A free-form text field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Purchase order ID.	6203587410
PurchaseOrderValue	An open numeric (decimal) field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Purchase order value.	150,000.00
TotalGoodsReceiptAmount	Total value of all goods received in the request. This value shows in the UI in Project > Contract > Contract details > Contract totals Slideout > Received to date.	3234.77
Currency	Currency as specified for the contract. Currency must match a currency code defined in InEight Contract. This value shows in the UI in Project > Contract > Accruals Receipts register > Contract currency.	USD
GoodsReceiptDocumentURL	URL where an attached document for evidence of the receipt can be found. This value shows in the UI in Project > Contract > Goods receipt details > Supporting document file/link.	See the Sample JSON for example.
VendorReference	Vendor Display ID for the InEight Contract for which the Goods Receipt request is created. This value shows in the UI in Project > Contract > Contract details > Vendor.	00256743
VendorDescription	Vendor Name for the InEight Contract for which the Goods Receipt request is created. This value shows in the UI in Project > Contract > Contract details > Vendor.	Energy Corporation
DeliveryNumber	Delivery Number or Bill of Lading number for Goods Receipt request. This value shows in the UI in Project > Contract > Goods receipt details > Delivery number.	1234ABCD

Name	Description	Example
GRNonValuatedFlag	Based on Contract project settings. This determines whether the project is GR valuated or not. GR Non-valuated projects only use quantity and no value is associated to the GR. This value shows in the UI in Project > Project settings > Contract > Project ERP attributes > Are goods receipts valuated.	true
GoodsReceiptRequestDetail	Array of specific goods receipt records being requested by contract line item. This value shows in the UI in Project > Contract > Contract details > Line items > Accruals/Receipts dropdown.	
ContractDetailReference	Identifier of the line item of the contract. This value shows in the UI in Project > Contract > Contract details > Line items > Line item ID.	1
ContractDetailSourceSystemId	Line item internal ID that is unique across all the contracts maintained in the InEight cloud platform. This is not shown in the UI.	123
ContractDetailTypeReference	Type of goods specified to be received by the line item. Possible values are: • Material • Service • Credit • Limit This value shows in the UI in Project > Contract > Goods receipt details > Type.	Material
Quantity	Quantity requested to be indicated as received. This value shows in the UI in Project > Contract > Goods receipt details > Quantity.	12.000
Amount	Value requested to be indicated as received. This value shows in the UI in Project > Contract > Goods receipt details > Receiving amount.	1500.00
ReversedGoodsReceiptRequestId	If this is a request to reverse a previous goods receipt, then this field shows the ID number of the request. If not, this field is blank. This is not shown in the UI.	14344
ReversedGoodsReceiptERPReference	If this is a request to reverse a previous goods receipt, then this field shows a unique ERP reference ID received by InEight Contract with the original goods receipt record. If not, this field is blank. This value shows in the UI in Project > Contract > Goods receipt details > ERP Document ID.	54314434
ContractDetailDescription	Associated line item description for the GR request This value shows in the UI in Project > Contract > Goods receipt details > Line description.	Material Line
ContractDetailQuantity	Associated line item current quantity. This value shows in the UI in Project > Contract > Goods receipt details > PO quantity.	100

Name	Description	Example
UnitOfMeasureReference	Associated line item unit of measure reference. This will be the SKFUOM which is stored for the unit of measure used in line item. This value shows in the UI in Project > Contract > Goods receipt details > UoM.	Each
UnitPrice	Associated line item actual unit price. This value shows in the UI in Project > Contract > Goods receipt details > Unit price.	1
UnitsPerPrice	Number of units per net price for the associated line item. This value shows in the UI in Project > Contract > Goods receipt details > Per.	1
ContractDetailNetPrice	Total net price for the associated line item. This value shows in the UI in Project > Contract > Goods receipt details > Net price.	100
PreviouslyReceivedQuantity	Indicates the sum of previously received quantity for the associated line item. This value shows in the UI in Project > Contract > Goods receipt details > Previously received.	20
ContractDetailTaxAmount	Indicates the line item estimated tax amount. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then estimated tax amount is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the estimated tax is based on it. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Tax amount.	10000
TaxAmountProjectCurrency	Indicates the line item estimated tax amount in project currency. Exchange rate is based on exchange rates stored in Platform project details. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then estimated tax amount is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the estimated tax is based on it. This is not shown in the UI.	11000
GoodsReceiptRequestDetailCostItem	Array of cost items the goods receipt should be posted against.	
CostCenterReference	Cost center reference for the associated line item. This value shows in the UI in Project > Contract > Goods receipt details > Cost center.	1000121

Name	Description	Example
CostItemReference	Cost item/WBS phase code reference for the associated line item. This value shows in the UI in Project > Contract > Goods receipt details > WBS.	1014
CostItemSourceSystemId	Cost item internal unique ID for the associated line item. This is not shown in the UI.	6364747
AccountingLedgerReference	General ledger account reference for the associated line item. This value shows in the UI in Project > Contract > Goods receipt details > GL account.	520001234
ContractDetailReference	Identifier of the line item in the contract. This value shows in the UI in Project > Contract > Contract details > Line items > Line item ID.	1
ContractDetailTaxAmount	Indicates the line item estimated tax amount. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then estimated tax amount is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the estimated tax is based on it. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Tax amount.	10000
TaxAmountProjectCurrency	Indicates the line item estimated tax amount in project currency. Exchange rate is based on exchange rates stored in Platform project details. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then estimated tax amount is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the estimated tax is based on it. This is not shown in the UI.	11000
ContractDetailEstimatedTax	Array of tax break out for the estimated tax. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then estimated tax break out is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the estimated tax break out is based on it. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Tax details.	110000

Name	Description	Example
TaxCode	Tax code value for the tax break out. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then tax code is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the tax code is based on it. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Tax details > Description.	GST/HST
Description	Tax description value for the tax break out. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then tax description is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the tax description is based on it. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Tax details Description.	This is GST related tax
TaxAmount	Tax amount for each tax code. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Tax details > Value.	
TaxRate	Tax rate for each tax code. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then tax rate is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the tax rate is based on it. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Tax details > Rate %.	12
CurrencyReference	Contract currency code of the TaxAmount field. This value shows in the UI in Project > Contract > Contract details > Contract currency.	USD
TaxAmountProjectCurrency	Tax amount for each tax code in project currency. This is not shown in the UI.	1000
ProjectCurrencyReference	Project currency code of the TaxAmount field. This value shows in the UI in Project > Project details > Base currency.	CAD
SourceSystemId	Uniue ID for each tax break up. This field can be empty (null). This is not shown in the UI.	GST.1000.USD

Name	Description	Example
IncludeInCommittedCost	Indicates if the tax can be included in committed cost calculation. This is based on project setting value stored for that tax code. This value shows in the UI in Project > Project settings > Contract > Configurations > Tax settings > Include in commiuted cost.	false

Sample JSON


```
{
"GoodsReceiptRequest": {
      "LogToken": "d32fe9c8-27ee-4b11-82b6-c7e1ae254e5c",
      "CreatedbyReference": "187125",
      "ContractReference": "7200012786",
      "GoodsReceiptRequestID": "0002",
      "GoodsReceiptDescription": "7200012786 RC 2",
      "GoodsReceiptCreationDate": "03/26/2024",
      "GoodsReceiptPostingDate": "03/27/2024",
      "ReversePriorGoodsReceipt": "false",
      "ProjectReference": "104983",
      "ProjectSourceSystemId": 12131,
      "LegalEntityReference": "1602",
      "TotalGoodsReceiptAmount": 900.0,
      "Currency": "USD",
      "GoodsReceiptDocumentURL": "https://ineightsuite-qa-
245.hds.ineight.com/CoreWebServices/Documents/6796817",
      "GoodsReceiptRequestDetail": [
         {
            "ContractDetailReference": "0001",
            "ContractDetailSourceSystemId": 455014,
            "ContractDetailTypeReference": "Material",
            "Quantity": 500.0,
            "Amount": 500.0,
            "ReversedGoodsReceiptRequestId": "",
            "ReversedGoodsReceiptERPReference": "",
            "ContractDetailDescription": "BESS - Security System - Material",
            "UnitOfMeasureReference": "LS",
            "UnitPrice": 1.0,
            "UnitsPerPrice": 1,
            "ContractDetailNetPrice": 81345.92,
            "PreviouslyReceivedQuantity": "1.00/81345.92",
            "ContractDetailQuantity": 81345.92,
            "ContractDetailTaxAmount": 125.0,
            "TaxAmountProjectCurrency": 125.0,
            "GoodsReceiptRequestDetailCostItem": [
               {
                  "CostCenterReference": "",
                  "CostItemReference": "104983.2471",
                  "CostItemSourceSystemId": 1862529,
                  "AccountingLedgerReference": "540310 - Subs-Permanent
Construction",
                  "LineItemCode": "0001"
               }
```

```
            ],
            "ContractDetailEstimatedTax": [
               {
                  "TaxCode": "New US Tax",
                  "Description": "New US Tax",
                  "TaxAmount": 75.0,
                  "TaxRate": 15.0,
                  "CurrencyReference": "USD",
                  "TaxAmountProjectCurrency": 75.0,
                  "ProjectCurrencyReference": "USD",
                  "SourceSystemId": "MES",
                  "IncludeInCommittedCost": true
               },
               {
                  "TaxCode": "US Tax",
                  "Description": "US Tax",
                  "TaxAmount": 50.0,
                  "TaxRate": 10.0,
                  "CurrencyReference": "USD",
                  "TaxAmountProjectCurrency": 50.0,
                  "ProjectCurrencyReference": "USD",
                  "SourceSystemId": "MES",
                  "IncludeInCommittedCost": true
               }
            ]
         },
         {
            "ContractDetailReference": "0004",
            "ContractDetailSourceSystemId": 455017,
            "ContractDetailTypeReference": "Material",
            "Quantity": 400.0,
            "Amount": 400.0,
            "ReversedGoodsReceiptRequestId": "",
            "ReversedGoodsReceiptERPReference": "",
            "ContractDetailDescription": "SUB,MECH EQUIP,ASSY",
            "UnitOfMeasureReference": "EA",
            "UnitPrice": 1.0,
            "UnitsPerPrice": 1,
            "ContractDetailNetPrice": 4000.0,
            "PreviouslyReceivedQuantity": "",
            "ContractDetailQuantity": 4000.0,
            "ContractDetailTaxAmount": 100.0,
            "TaxAmountProjectCurrency": 100.0,
            "GoodsReceiptRequestDetailCostItem": [
               {
                  "CostCenterReference": "",
                  "CostItemReference": "104983.1012",
                  "CostItemSourceSystemId": 1213432,
                  "AccountingLedgerReference": "520120 - Subs-
Consumable/Replacement",
                  "LineItemCode": "0004"
               }
            ],
            "ContractDetailEstimatedTax": [
               {
                  "TaxCode": "New US Tax",
                  "Description": "New US Tax",
```

```
                "TaxAmount": 60.0,
                "TaxRate": 15.0,
                "CurrencyReference": "USD",
                "TaxAmountProjectCurrency": 60.0,
                "ProjectCurrencyReference": "USD",
                "SourceSystemId": "MES",
                "IncludeInCommittedCost": true
            },
            {
                "TaxCode": "US Tax",
                "Description": "US Tax",
                "TaxAmount": 40.0,
                "TaxRate": 10.0,
                "CurrencyReference": "USD",
                "TaxAmountProjectCurrency": 40.0,
                "ProjectCurrencyReference": "USD",
                "SourceSystemId": "MES",
                "IncludeInCommittedCost": true
            }
        ]
    }
  ],
  "AgreementNumber": "",
  "AgreementValue": "",
  "PurchaseOrderNumber": "",
  "PurchaseOrderValue": "",
  "DeliveryNumber": "",
  "VendorReference": "0010102030",
  "VendorDescription": "Datacom LLC",
  "GRNonValuatedFlag": false
}}
```

Goods Receipt (Response)

The Goods Receipt integration sends the original goods receipt record and any changes that occur to the goods receipt. When sending changes, only send amounts and values that represent the change. Do not send amounts or values as representation of the updated total. For instance, if the original goods receipt has a total value of $100, and is corrected to $90, send an update with a value of -$10.

Direction		To InEight Contract
Frequency		Determined by external system.
Trigger Methods		Determined by external system. Potentially triggered on creation of each goods receipt entered.
Average Payload Size		Entire entity - Less than 100 records.
API Name		Upsert GoodsReceipt
InEight Contract	**Starting Version**	18.4
	Ending Version	

Fields

Depth	Name	Type	Precision[1]	Parent	Req.
1	GoodsReceipt	Array	NA	GoodsReceipt	
2	DocumentReference	String	10	GoodsReceipt	Yes
2	DocumentYear	Number	10	GoodsReceipt	Yes
2	SourceSystemId[2]	Number	50	GoodsReceipt	Yes
2	LogToken	String	50	GoodsReceipt	No
2	Logger	Array	NA	GoodsReceipt	No
3	Level	String	50	Logger	No
3	Message	String	500	Logger	No
2	GoodsReceiptRequestReference	String	10	GoodsReceipt	No
2	DocumentDate	String	10	GoodsReceipt	Yes
2	PostingDate	String	10	GoodsReceipt	Yes
2	EntryDate	String	10	GoodsReceipt	No
2	CreatedByReference	String	50	GoodsReceipt	No
2	Reference	String	50	GoodsReceipt	No
2	DocumentText	String	500	GoodsReceipt	No
2	BillOfLading	String	50	GoodsReceipt	No

Depth	Name	Type	Precision[1]	Parent	Req.
2	GoodsReceiptItem	Array	NA	GoodsReceipt	No
3	GoodsReceiptStatus	String	10	GoodsReceiptItem	No
3	ContractTypeReference	String	50	GoodsReceiptItem	No
3	DocumentItemReference	String	10	GoodsReceiptItem	Yes
3	ContractReference	String	10	GoodsReceiptItem	Yes
3	ContractDetailReference	String	10	GoodsReceiptItem	Yes
3	MovementType	String	250	GoodsReceiptItem	No
3	MaterialReference	String	10	GoodsReceiptItem	No
3	PlantReference	String	50	GoodsReceiptItem	No
3	StorageLocationReference	String	50	GoodsReceiptItem	No
3	BatchNumber	String	50	GoodsReceiptItem	No
3	DebitCreditIndicator	String	1	GoodsReceiptItem	Yes
3	ContractCurrency	String	25	GoodsReceiptItem	Yes
3	AmountInContractCurrency	String	16,5	GoodsReceiptItem	Yes
3	AmountWithoutTaxInContractCurrency	Decimal	16,5	GoodsReceiptItem	Yes
3	TaxAmountInContractCurrency	Decimal	16,5	GoodsReceiptItem	No
3	ContractLineAmountTaxDetail	Array	NA	GoodsReceiptItem	
4	TaxType	String	50	ContractLineAmountTaxDetail	No
4	Description	String	250	ContractLineAmountTaxDetail	No
4	TaxAmount	Number	16,5	ContractLineAmountTaxDetail	No
4	TaxRate	Number	16,5	ContractLineAmountTaxDetail	No
3	ProjectCurrency	String	25	GoodsReceiptItem	No
3	AmountInProjectCurrency	String	16,5	GoodsReceiptItem	Yes
3	AmountWithoutTaxInProjectCurrency	Decimal	16,5	GoodsReceiptItem	Yes
3	TaxAmountInProjectCurrency	Decimal	16,5	GoodsReceiptItem	No
3	ProjectCurrencyLineAmountTaxDetail	Array	NA	GoodsReceiptItem	No
4	TaxType	String	50	ProjectCurrencyLineAmountTaxDetail	No
4	Description	String	250	ProjectCurrencyLineAmountTaxDetail	No
4	TaxAmount	Number	16,5	ProjectCurrencyLineAmountTaxDetail	No
4	TaxRate	Number	16,5	ProjectCurrencyLineAmountTaxDetail	No
3	ReceivedQuantity	String	16,5	GoodsReceiptItem	Yes
3	ReceivedUOM	String	25	GoodsReceiptItem	Yes
3	ReceivedQuantityInBaseUOM	String	16,5	GoodsReceiptItem	No
3	BaseUOM	String	25	GoodsReceiptItem	No

Depth	Name	Type	Precision[1]	Parent	Req.
3	ReceivedQuantityInPOPriceUOM	String	16,5	GoodsReceiptItem	No
3	POPriceUOM	String	25	GoodsReceiptItem	No
3	ReceivedQuantityInPOUOM	String	16,5	GoodsReceiptItem	Yes
3	POUOM	String	25	GoodsReceiptItem	No
3	DeliveryCompletedIndicator	String	1	GoodsReceiptItem	No
3	Text	String	500	GoodsReceiptItem	No
3	GoodsRecipientUserReference	String	50	GoodsReceiptItem	No
3	CostCenter	String	25	GoodsReceiptItem	No
3	OrderNumber	String	25	GoodsReceiptItem	No
3	MovementIndicator	String	1	GoodsReceiptItem	No
3	GRNonValuatedIndicator	String	1	GoodsReceiptItem	No
3	ReasonForMovement	String	500	GoodsReceiptItem	No
3	ProfitCenter	String	50	GoodsReceiptItem	No
3	CostItemReference	String	55	GoodsReceiptItem	No
3	AccountingLedgerReference	String	25	GoodsReceiptItem	No
3	StockTypeIndicator	String	1	GoodsReceiptItem	No
3	OverDeliveryToleranceIndicator	String	16,5	GoodsReceiptItem	No

1 - For numeric data types, precision is given as total digits allowed in the field and the number of those digits that exist to the right of the decimal. For example, 16,5 represents a total of 16-digits allowed in the field with 5 of those digits existing as decimal places and 11 digits on the left of the decimal. The decimal is not counted as a digit.

2 - Natural Key field.

Field Descriptions

Name	Description	Example
DocumentReference	Goods receipt number. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Goods Receipt > ERP document ID	5001152537
DocumentYear	Year that the goods receipt was created. InEight Contract uses the DocumentReference and DocumentYear to make sure the value is unique in case the ERP reuses Goods receipt numbers each year. This is not shown in the UI.	2017

Name	Description	Example
SourceSystemId	Identifier created by the system of record and used in all system communications as the primary method of specifying a unique record. This field does not show in normal use of InEight products and can contain internal identifiers such as a GUID that is not understood by system users. This is not shown in the UI.	5001152537.2017
LogToken	If this integration is used in conjunction with a GoodsReceiptRequest, the LogToken provided in the request must be returned in this field to match up requests to responses. If this integration is not triggered by a GoodsReceiptRequest, the field is blank. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP log token.	c53177a2-05cf-470d-9535-6a9ef49b9f22
Logger	Array header for sending error messages in the response message. User can send multiple error messages (both error level and actual message) as array of values.	
Level	Indicates the severity of the error. Examples of the values include: • INFO • DEBUG • ERROR This is not shown in the UI.	ERROR
Message	Actual error message detailing exception of the issue This value shows in the UI in Project > Contract > Contract details > Sync log > Click on the Log Token	Accounting assignment mismatch due to incorrect WBS code.
GoodsReceiptRequestReference	If this integration is used in conjunction with a GoodsReceiptRequest, the value of this field should match the GoodsReceiptRequestID that corresponds with the response. If this integration was not triggered by a GoodsReceiptRequest, the field is left blank. This value shows in the UI in Project > Contract > Accruals Receipts > ID	4564
DocumentDate	Date that the goods receipt was dated. This does not have to be the same as the EntryDate in case of the scenario of the goods receipt being created in the ERP but requiring the actual date to be backdated. This value shows in the UI in Project > Contract > Accruals Receipts register > Created date.	08/11/2017
PostingDate	Date that the goods receipt was posted to the ERP. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Goods Receipt > Posting date.	08/11/2017
EntryDate	Date when the goods receipt was created in the ERP. This is not shown in the UI.	08/11/2017

Name	Description	Example
CreatedByReference	User [SourceSystemId] that created the goods receipt in the ERP. **NOTE:** This data is not validated against users in the InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Goods Receipt > Created by.	00357382
Reference	Free-form text that represents the packing slip number or delivery note. *Reserved for future functionality.* This is not shown in the UI.	247995A
DocumentText	Free-form text comments about the goods receipt. *Reserved for future functionality.* This is not shown in the UI.	Received in good condition
BillOfLading	Free-form text bill of lading reference. If empty, this will be the value in Delivery number field in the UI. This is not shown in the UI.	5598723
GoodsReceiptItem	Array header	NA
GoodsReceiptStatus	If this integration is used in conjunction with a goods receipt request, this field should contain a value indicating the status of the request. Because this field exists in an array of requests for contract line items, it is possible to have different statuses for each line item. Possible values for this field are: • Success - Indicates the specific line item was received and responded to. • Error - In case the ERP system fails to record the goods receipt request sent. If this integration was not triggered by a goods receipt request, the field should be left blank. This value shows in the UI in Project > Contract > Accruals Receipts register > Status.	Success
ContractTypeReference	*Not used - reserved for future functionality.*	
DocumentItemReference	Line number of the goods receipt posting document. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Goods Receipt > Document Item.	0001
ContractReference	Contract/purchase order number. This value is in the ContractReference field from the Purchase Order Integration. This value shows in the UI in Project > Contract > Goods receipt details > Contract.	7300001305

Name	Description	Example
ContractDetailReference	Line item number from the purchase order. This value is in the ContractDetailReference field from the Purchase Order Integration. This value shows in the UI in Project > Contract > Goods receipt details > Line ID.	00001
MovementType	Free-form text field that represents the action being taken on the goods receipt. For example, if the item is being moved from one location to another or is being canceled. *Reserved for future functionality.* This is not shown in the UI.	101
MaterialReference	Unique ID of the material. *Reserved for future functionality.* This is not shown in the UI.	0000000016000001743
PlantReference	Unique ID of the plant. *Reserved for future functionality.* This is not shown in the UI.	0142
StorageLocationReference	Unique ID of the storage location. *Reserved for future functionality.* This is not shown in the UI.	0155
BatchNumber	Batch number of the order if available. *Reserved for future functionality.* This is not shown in the UI.	125669
DebitCreditIndicator	Indicates whether the value of the amount is positive or negative. • H - Negative goods receipt amount. • S - Positive goods receipt amount. **NOTE:** All values should be included as absolute and only the DebitCreditIndicator should be used to indicate positive or negative values. Values should not be sent as negative in their respective fields. This is not shown in the UI.	S
ContractCurrency	Currency code of the goods receipt amount. This value shows in the UI in Project > Contract > Accruals Receipts register > Contract currency.	USD
AmountInContractCurrency	Total of the goods receipt in currency of the contract. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Goods Receipt > Total.	60.00000
AmountWithoutTaxInContractCurrency	Total of the goods receipt without tax using currency of the contract. This will flow to Control for Actuals data. This is not shown in the UI.	30000.00
TaxAmountInContractCurrency	Total tax using currency of the contract. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Goods Receipt > Tax.	1234.56

Name	Description	Example
ContractLineAmountTaxDetail	Array Header	
TaxType	Value representing a tax code applied to the line item. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Goods Receipt > Tax details > TaxType	GST
Description	Short description of the TaxType field. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Goods Receipt > Tax details > Description.	Goods & Services Tax
TaxAmount	Amount of tax for the TaxType field. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Goods Receipt > Tax details > Value.	154.77
TaxRate	Percentage rate used for the TaxType field. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Goods Receipt > Tax details > Rate %.	5.5
ProjectCurrency	Currency code of the project. This value shows in the UI in Project > Project details > Base currency.	USD
AmountInProjectCurrency	Total of goods receipt in currency of the project. This is not shown in the UI.	60.00000
AmountWithoutTaxInProjectCurrency	Total of goods receipt without tax using currency of the project. If the value is present in this field, then the same will flow to Control for Actuals data. This is not shown in the UI.	30000.00
TaxAmountInProjectCurrency	Total tax of goods receipt using currency of the project. This is not shown in the UI.	1234.56
ProjectCurrencyLineAmountTaxDetail	Array header.	
TaxType	Value representing a tax code applied to the line item. This is not shown in the UI.	GST
Description	Short description of the TaxType field. This is not shown in the UI.	Goods & Services Tax
TaxAmount	Amount of tax for the TaxType field. This is not shown in the UI.	154.77
TaxRate	Percentage rate used for the TaxType field. This is not shown in the UI.	5.5

Name	Description	Example
ReceivedQuantity	Total quantity that was received. This value shows in the UI in Project > Contract > Contract details > Line items > Accruals/Receipts drilldown > Quantity (in ordered units).	20.00000
ReceivedUOM	Unit of measure of the received quantity. This will be shown in Line Item drill down views as quantity in receiving unit. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Goods Receipt > Quantity (in Receiving units).	EA
ReceivedQuantityInBaseUOM	Total quantity received in the base unit of measure. This is not shown in the UI. *Reserved for future functionality.*	20.0000
BaseUOM	Base unit of measure of the item. This is not shown in the UI. *Reserved for future functionality.*	EA
ReceivedQuantityInPOPriceUOM	Total quantity received in the POPriceUOM field. This is not shown in the UI. *Reserved for future functionality.*	20.00000
POPriceUOM	Unit of measure for the purchase order price. This is not shown in the UI. *Reserved for future functionality.*	EA
ReceivedQuantityInPOUOM	Total quantity received in the PO UOM. This will be shown in Line Item drill-down views as quantity in ordered units. This value shows in the UI in Project > Contract > Contract details > Line Item Grid > Progress Accordion > Drill down Views > Goods Receipt > Quantity (in ordered units).	20.00000
POUOM	Unit of measure for the purchase order. This is not shown in the UI. *Reserved for future functionality.*	EA
DeliveryCompletedIndicator	Indicates if the delivery is complete and no further goods receipt records are expected. Send X to indicate the delivery is complete. This is not shown in the UI. *Reserved for future functionality.*	X
Text	Free-form text field for the line item. This is not shown in the UI. *Reserved for future functionality.*	
GoodsRecipientUserReference	Free-form text field to indicate the user who is to receive the goods. This is not shown in the UI. *Reserved for future functionality.*	Bob Smith
CostCenter	*Not used – reserved for future functionality.*	Not Applicable
OrderNumber	*Not used – reserved for future functionality.*	Not Applicable
MovementIndicator	*Not used – reserved for future functionality.*	Not Applicable

Name	Description	Example
GRNonValuatedIndicator	Indicator of whether tracking of goods receipt is based on quantity and value, or on quantity only. Send X if the tracking is by quantity only. This is not shown in the UI. *Reserved for future functionality.*	X
ReasonForMovement	*Not used – reserved for future functionality.*	Not Applicable
ProfitCenter	*Not used – reserved for future functionality.*	Not Applicable
CostItemReference	Unique reference for the associated cost item. This is not shown in the UI. *Reserved for future functionality.*	103541.1109
AccountingLedgerReference	General ledger code against which the delivery is recognized. This is not shown in the UI. *Reserved for future functionality.*	0000532090
StockTypeIndicator	*Not used – reserved for future functionality.*	Not Applicable
OverDeliveryToleranceIndicator	Percentage of the total quantity that can be over-received. This is not shown in the UI. *Reserved for future functionality.*	15.0

Error Messages

The following error messages are generated by the InEight cloud platform and products for this integration. Errors in the table below are distinguished by the process that checks for the error.

- Entity logic errors are performed internally in the InEight cloud platform and products to look for specific business rule or data integrity issues record-by-record. Failures with entity logic validations only cause the individual record to cease processing and are written to internal logging.

Below errors can be seen when the user accesses the Locaton url from the Response Header

Response Headers


```
{
  "access-control-allow-credentials": "true",
  "access-control-allow-origin": "https://ineightsuite-qa-253.hds.ineight.com",
  "access-control-expose-headers": "Request-Context",
  "cache-control": "no-store, must-revalidate, no-cache",
  "content-length": "3",
  "content-type": "application/json; charset=utf-8",
  "date": "Fri, 23 May 2025 16:25:02 GMT",
  "expires": "Fri, 23 May 2025 16:25:02 GMT",
  "location": "https://ineightsuite-qa-253.hds.ineight.com/ExternalSystem//Messages/ImportStatus?requestId=99d64837-5c
  "pragma": "no-cache",
  "request-context": "appId=cid-v1:43092f52-46aa-4752-b49a-d67dd6bdee64",
  "retry-after": "10",
  "server": "Microsoft-IIS/10.0",
  "strict-transport-security": "max-age=31536000; includeSubDomains; preload",
  "x-powered-by": "ASP.NET",
  "x-requestid": "a93fface-d4f1-4e1e-88c6-3162ffd1111"
}
```


API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated and GR is created.	202	Logs":[]
API Validation	Invalid Contract Id	202	Invalid contract ID for Goods receipt.

Api validation	Invalid unit of measure	202	Error updating Unit of Measure details.
API Validation	Generic error	202	Error processing Goods Receipt Response.

Sample JSON

Sample 1

Goods Receipt with all fields.


```
[{
"GoodsReceipt": {
   "DocumentReference": "5001152537",
   "DocumentYear": "2017",
   "SourceSystemId": "5001152537.2017",
   "LogToken": "c53177a2-05cf-470d-9535-6a9ef49b9f22",
   "Logger":[
      {
      "Level": "ERROR",
      "Message": "Goods Receipt Request still contains faulty items"
      },{
      "Level": "INFO",
      "Message": "Change Price Unit could not be affected"
      }
   ],
   "GoodsReceiptRequestReference": "1446",
   "DocumentDate": "08/11/2017",
   "PostingDate": "08/11/2017",
   "EntryDate": "08/11/2017",
   "CreatedByReference": "00357382",
   "Reference": "",
   "DocumentText": "",
   "BillOfLading": "",
   "GoodsReceiptItem": [{
      "GoodsReceiptStatus": "Success",
      "ContractTypeReference": "",
      "DocumentItemReference": "0001",
      "ContractReference": "7300001305",
      "ContractDetailReference": "00001",
      "MovementType": "101",
      "MaterialReference": "000000016000001743",
      "PlantReference": "0142",
      "StorageLocationRefrence": "",
      "BatchNumber": "",
      "DebitCreditIndicator": "S",
      "ContractCurrency": "USD",
      "AmountInContractCurrency": "60.0000",
      "AmountWithoutTaxInContractCurrency": "800.00",
      "TaxAmountInContractCurrency": "28.7500",
      "ContractLineAmountTaxDetail": [
               {
                  "TaxType": "GST/PST",
                  "Description": "Goods and Services Tax",
                  "TaxAmount": "30",
                  "TaxRate": "15"
```

```
            },
            {
               "TaxType": "HST",
               "Description": "Goods and Services Tax",
               "TaxAmount": "60",
               "TaxRate": "30"
            }
         ],
      "ProjectCurrency": "USD",
      "AmountInProjectCurrency": "",
      "AmountWithoutTaxInProjectCurrency": "800.00 ",
      "TaxAmountInProjectCurrency": "28.75 ",
      "ProjectCurrencyLineAmountTaxDetail": [
            {
               "TaxType": "GST/PST",
               "Description": "Goods and Services Tax",
               "TaxAmount": "27",
               "TaxRate": "15"
            },
            {
               "TaxType": "HST",
               "Description": "Goods and Services Tax",
               "TaxAmount": "60",
               "TaxRate": "30"
            }
         ],
      "ReceivedQuantity": "20.0000",
      "ReceivedUOM": "EA",
      "ReceivedQuantityInBaseUOM": "20.0000",
      "BaseUOM": "EA",
      "ReceivedQuantityInPOPriceUOM": "20.0000",
      "POPriceUOM": "EA",
      "ReceivedQuantityInPOUOM": "20.0000",
      "POUOM": "EA",
      "DeliveryCompletedIndicator": "",
      "Text": "",
      "GoodsRecipientUserReference": "",
      "CostCenter": "",
      "OrderNumber": "",
      "MovementIndicator": "",
      "GRNonValuatedIndicator": "",
      "ReasonForMovement": "",
      "ProfitCenter": "",
      "CostItemReference": "",
      "AccountingLedgerReference": "0000532090",
      "StockTypeIndicator": "",
      "OverDeliveryToleranceIndicator": "15.00"
      },
      {
      "GoodsReceiptStatus": "Success",
      "ContractTypeReference": "",
      "DocumentItemReference": "0002",
      "ContractReference": "7300001305",
      "ContractDetailReference": "00001",
      "MovementType": "101",
      "MaterialReference": "000000016000001743",
      "PlantReference": "0142",
```

```
      "StorageLocationRefrence": "",
      "BatchNumber": "",
      "DebitCreditIndicator": "S",
      "ContractCurrency": "USD",
      "AmountInContractCurrency": "30.0000",
      "AmountWithoutTaxInContractCurrency": "800.00",
      "TaxAmountInContractCurrency": "28.7500",
      "ContractLineAmountTaxDetail": [
               {
                  "TaxType": "GST/PST",
                  "Description": "Goods and Services Tax",
                  "TaxAmount": "30",
                  "TaxRate": "15"
               },
               {
                  "TaxType": "HST",
                  "Description": "Goods and Services Tax",
                  "TaxAmount": "60",
                  "TaxRate": "30"
               }
            ],
      "ProjectCurrency": "USD",
      "AmountInProjectCurrency": "",
      "AmountWithoutTaxInProjectCurrency": "800.00 ",
      "TaxAmountInProjectCurrency": "28.75 ",
      "ProjectCurrencyLineAmountTaxDetail": [
               {
                  "TaxType": "GST/PST",
                  "Description": "Goods and Services Tax",
                  "TaxAmount": "27",
                  "TaxRate": "15"
               },
               {
                  "TaxType": "HST",
                  "Description": "Goods and Services Tax",
                  "TaxAmount": "60",
                  "TaxRate": "30"
               }
            ],
      "ReceivedQuantity": "10.000",
      "ReceivedUOM": "EA",
      "ReceivedQuantityInBaseUOM": "10.000",
      "BaseUOM": "EA",
      "ReceivedQuantityInPOPriceUOM": "10.000",
      "POPriceUOM": "EA",
      "ReceivedQuantityInPOUOM": "10.000",
      "POUOM": "EA",
      "DeliveryCompletedIndicator": "",
      "Text": "",
      "GoodsRecipientUserReference": "",
      "CostCenter": "",
      "OrderNumber": "",
      "MovementIndicator": "",
      "GRNonValuatedIndicator": "",
      "ReasonForMovement": "",
      "ProfitCenter": "",
      "CostItemReference": "103541.1109",
```

```
      "AccountingLedgerReference": "0000532090",
      "StockTypeIndicator": "",
      "OverDeliveryToleranceIndicator": "0.0"
      }]
}]
```


Sample 2

Simplified response to create GR with **minimum fields** without Good Receipt request created from the InEight cloud platform.


```
[{
   "DocumentReference": "33214562",
   "DocumentYear": "2019",
   "SourceSystemId": "21231232",
   "DocumentDate": "08/08/2019",
   "PostingDate": "08/08/2019",
   "GoodsReceiptItem": [
      {
      "DocumentItemReference": "4",
      "ContractReference": "7400007075",
      "ContractDetailReference": "4",
      "DebitCreditIndicator": "S",
      "ContractCurrency": "USD",
      "AmountInContractCurrency": "11",
      "AmountWithoutTaxInContractCurrency": "500",
      "AmountInProjectCurrency": "11.20",
      "AmountWithoutTaxInProjectCurrency": "12",
      "ReceivedQuantity": "11",
      "ReceivedUOM": "EA",
      "ReceivedQuantityInPOUOM": "1"
      }
   ]
}]
```


Sample 3

Simplified response with **minimum fields where Goods Receipt request created from the InEight cloud platform**. Log token and Goods Receipt status(Success Case) need to be sent along with other minimum required fields.


```
[{
   "DocumentReference": "2123123",
   "DocumentYear": "2019",
   "SourceSystemId": "2123123",
   "DocumentDate": "08/08/2019",
   "PostingDate": "08/08/2019",
   "LogToken": "c53177a2-05cf-470d-9535-6a9ef49b9f22",
   "GoodsReceiptItem": [
      {
      "DocumentItemReference": "13",
      "GoodsReceiptStatus": "Success",
      "ContractReference": "7200002676",
      "ContractDetailReference": "4",
      "DebitCreditIndicator": "S",
```

```
      "ContractCurrency": "USD",
      "AmountInContractCurrency": "11",
      "AmountWithoutTaxInContractCurrency": "500",
      "AmountInProjectCurrency": "11.20",
      "AmountWithoutTaxInProjectCurrency": "12",
      "ReceivedQuantity": "11",
      "ReceivedUOM": "EA",
      "ReceivedQuantityInPOUOM": "1"
      }
      ]
}]
```


Sample 4

Simplified response with **minimum** fields where Goods Receipt request created from the InEight cloud platform. Log token and Goods Receipt status (Error Case) need to be sent along with other minimum required fields.


```
[{
   "DocumentReference": "2123123",
   "DocumentYear": "2019",
   "SourceSystemId": "2123123",
   "DocumentDate": "08/08/2019",
   "PostingDate": "08/08/2019",
   "LogToken": "c53177a2-05cf-470d-9535-6a9ef49b9f22",
   "Logger":[
      {
      "Level": "ERROR",
      "Message": "Purchase order still contains faulty items"
      },{
      "Level": "INFO",
      "Message": "Change Price Unit could not be affected"
      }
   ],
   "GoodsReceiptItem": [
      {
      "DocumentItemReference": "13",
      "GoodsReceiptStatus": "ERROR",
      "ContractReference": "7200002676",
      "ContractDetailReference": "4",
      "DebitCreditIndicator": "S",
      "ContractCurrency": "USD",
      "AmountInContractCurrency": "11",
      "AmountWithoutTaxInContractCurrency": "500",
      "AmountInProjectCurrency": "11.20",
      "AmountWithoutTaxInProjectCurrency": "12",
      "ReceivedQuantity": "11",
      "ReceivedUOM": "EA",
      "ReceivedQuantityInPOUOM": "1"
      }
      ]
}]
```


Verification

The Contract Sync Log shows if the goods receipt request is a success.

The ERP Document Number is shown in the receipt details if the receipt request is initiated from InEight Contract.

If the goods receipt request is not initiated from InEight Contract, then data for goods receipt can be displayed in Line Item tab Progress Accordion .

Contract Tax (Request)

Direction		From InEight Contract
Frequency		Normally performed once per contract.
Trigger Methods		Manually triggered by a user in UI.
Average Payload Size		Entire entity - Less than 100 records.
API Name		Not available in APIM.
InEight Contract	**Starting Version**	18.3
	Ending Version	

Configuration

The configuration information is entered via the InEight Contract UI. From the System menu Application integrations page, add an entity to show the configuration options.

Configuration Option	Description	Example	Req.
Entity	Contract: Tax request	NA	Yes
URI	Full endpoint URL destination path for the external system where payment requests are sent.	https://<address>/contractmgttaxrequest	Yes
Username	The security credential for username expected by the receiving system	InEightContractMgtIntegrations	No
Password	The security credential for password expected by the receiving system	Password123	No

Application Settings

In order to use the Tax Integration, you must enable the option in the Contract configuration settings.

Fields

The Contract Tax Request integration uses the same fields as the Purchase Order Request.

Field Descriptions

The Contract Tax Request integration uses the same fields descriptions as the Purchase Order Request.

Sample JSON

The Contract Tax Request integration uses the same JSON sample as the Purchase Order Request.

Verification

The Contract Tax Request integration uses the same error messages as the Purchase Order Request.

Contract Tax (Response)

Direction		To InEight Contract
Frequency		Once per Contract Tax Request.
Trigger Methods		Determined by external system as response to request from the InEight cloud platform.
Average Payload Size		Entire entity – Less than 100 records.
APIM Name		Upsert ContractTax
InEight Contract	**Starting Version**	18.3
	Ending Version	

Fields

Depth	Name	Type	Precision[1]	Parent	Req.
1		Array	NA		
2	ContractReference	Array	NA		
2	CurrentValue	String	10		Yes
2	CurrentValueProjectCurrency	Number	16,5		No
2	LogToken	Number	16,5		No
2	Status	String	50		Yes
2	Logger	Array	NA		No
3	Level	String	50	Logger	No
3	Message	String	500	Logger	No
2	ContractTypeReference	String	50		Yes
2	VendorReference	String	10		No
2	PurchasingOrganizationReference	String	50		No
2	PurchasingGroupReference	String	10		No
2	LegalEntityReference	String	10		No
2	CurrencyReference	String	10		No
2	PaymentTermReference	String	10		No
2	INCOTerms	String	10		No
2	CreatedByReference	String	10		No
2	CreatedDate	String	10		No
2	AgreementNumber	String	20		No

Depth	Name	Type	Precision[1]	Parent	Req.
2	AgreementValue	Number	16,5		No
2	PurchaseOrderNumber	String	20		No
2	PurchaseOrderValue	Number	16,5		No
2	ContractDetailResponse	String	Date		No
3	ContractDetailReference	String	10	ContractDetailResponse	No
3	GrossAmount	NA	NA	ContractDetailResponse	No
3	GrossAmountProjectCurrency	NA	NA	ContractDetailResponse	Yes
3	NetValuewithoutTax	NA	NA	ContractDetailResponse	Yes
3	NetValueWithoutTaxProjectCurrency	NA	NA	ContractDetailResponse	Yes
3	TaxTotal	Number	16,5	ContractDetailResponse	Yes
3	TaxTotalProjectCurrency	Number	16,5	ContractDetailResponse	Yes
3	ContractDetailTax	Array	NA	ContractDetailResponse	No
4	TaxCode	String	10	ContractDetailTax	No
4	Description	String	250	ContractDetailTax	No
4	TaxAmount	Number	16,5	ContractDetailTax	No
4	TaxRate	Number	16,5	ContractDetailTax	No
4	CurrencyReference	String	10	ContractDetailTax	No
4	TaxAmountProjectCurrency	Number	16,5	ContractDetailTax	No
4	ProjectCurrencyReference	Number	16,5	ContractDetailTax	No
4	SourceSystemId	String	50	ContractDetailTax	No
3	ContractDetailType	NA	NA	ContractDetailResponse	No
3	Description	NA	NA	ContractDetailResponse	No
3	MaterialReference	NA	NA	ContractDetailResponse	No
3	MaterialGroupReference	NA	NA	ContractDetailResponse	No
3	CreatedbyReference	NA	NA	ContractDetailResponse	No
3	Quantity	NA	NA	ContractDetailResponse	No
3	UnitOfMeasureReference	NA	NA	ContractDetailResponse	No
3	NetPrice	NA	NA	ContractDetailResponse	No
3	UnitsPerPrice	NA	NA	ContractDetailResponse	No
3	PriceUnitOfMeasureReference	NA	NA	ContractDetailResponse	No
3	TaxCodeReference	NA	NA	ContractDetailResponse	No
3	DeliveryDate	NA	NA	ContractDetailResponse	No
3	OrderDeliveryTolerance	NA	NA	ContractDetailResponse	No
3	PlantReference	NA	NA	ContractDetailResponse	No

Depth	Name	Type	Precision[1]	Parent	Req.
3	StorageLocationReference	NA	NA	ContractDetailResponse	No
3	DeletionIndicator	NA	NA	ContractDetailResponse	No
3	DeliveryCompleteIndicator	NA	NA	ContractDetailResponse	No
3	InvoicePlanIndicator	NA	NA	ContractDetailResponse	No
3	ReturnPOFlag	NA	NA	ContractDetailResponse	No
3	MaterialCharacteristicReference	NA	NA	ContractDetailResponse	No
3	MaterialCharacteristic	Array	NA	ContractDetailResponse	No
4	MaterialCharacteristicType	NA	NA	MaterialCharacteristic	No
4	MaterialCharacteristicValue	NA	NA	MaterialCharacteristic	No
3	ShippingAddress	Array	NA	ContractDetailResponse	No
4	StreetName	NA	NA	ShippingAddress	No
4	CityName	NA	NA	ShippingAddress	No
4	Region	NA	NA	ShippingAddress	No
4	CountryCode	NA	NA	ShippingAddress	No
4	PostalCode	NA	NA	ShippingAddress	No
4	TaxJurisdiction	NA	NA	ShippingAddress	No
3	AccountAssignmentCategory	NA	NA	ContractDetailResponse	No
3	CDSSplitMethod	NA	NA	ContractDetailResponse	No
3	ContractDetailCostItem	Array	NA	ContractDetailResponse	No
4	SplitByValue	NA	NA	ContractDetailCostItem	No
4	AccountAssignmentLineNumber	NA	NA	ContractDetailCostItem	No
4	AccountAssignmentNumber	NA	NA	ContractDetailCostItem	No
4	GLAccountReference	NA	NA	ContractDetailCostItem	No
4	CreatedByReference	NA	NA	ContractDetailCostItem	No
3	Comments	NA	NA	ContractDetailResponse	No
3	FairMarketValue	NA	NA	ContractDetailResponse	No
3	EquipmentPrefix	NA	NA	ContractDetailResponse	No
3	RentalType	NA	NA	ContractDetailResponse	No
3	NAICScode	NA	NA	ContractDetailResponse	No
3	RetentionPercentage	NA	NA	ContractDetailResponse	No
3	WBSCategoryReference	NA	NA	ContractDetailResponse	No
3	NoFurtherInvoiceIndicator	NA	NA	ContractDetailResponse	No
3	GoodsReceiptStatus	NA	NA	ContractDetailResponse	No

1 - For numeric data types, precision is given as total digits allowed in the field and the number of those digits that exist to the right of the decimal. For example, 16,5 represents a total of 16-digits allowed in the field with 5 of those digits existing as decimal places and 11 digits on the left of the decimal. The decimal is not counted as a digit.

Field Descriptions

Name	Description	Example
ContractReference	Purchase order ID. This value shows in the UI in Project > Contract > Contracts register > ID.	7300000016
CurrentValue	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	123456
CurrentValueProjectCurrency	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	123456
LogToken	Return the LogToken for the confirmation of the purchase order being received, and all status updates. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP Log token.	f0abb367-8e49-4e4c-9a92-ff26d4be55bf
Status	Confirmation status for the purchase order request. Valid values for this field are: • SUCCESS • ERROR If Success is sent, the contract will be updated. This value shows in the UI in Project > Contract > Contract details > Sync log > Status.	SUCCESS
Logger	Array header for sending error messgaes in the response message. User can send multiple error messages (both error level and actual message) as array of values.	
Level	Indicates the severity of the error. Examples of the values include: • INFO • DEBUG • ERROR	ERROR
Message	Actual error message detailing exception of the issue This value shows in the UI in Project > Contract > Contract details > Sync log > Click on the Log Token	Accounting assignment mismatch due to incorrect WBS code.
ContractTypeReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
VendorReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
PurchasingOrganizationReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
PurchasingGroupReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	

Name	Description	Example
LegalEntityReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
PaymentTermReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
CurrencyReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
INCOTerms	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
CreatedByReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
CreatedDate	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
AgreementNumber	A free-form text field that can be manually filled by a user via the Contract UI or filled in the integration response message or the value from a dropdown representing association to a Master Agreement ID in InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Agreement ID.	5560789536
AgreementValue	An open numeric (decimal) field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Agreement value.	20,000,000.00
PurchaseOrderNumber	A free-form text field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Purchase order ID.	6203587410
PurchaseOrderValue	An open numeric (decimal) field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Purchase order value.	150,000.00

Name	Description	Example
ContractDetailResponse	Array header for contract detail response fields. Each set of fields in the Contract Detail Response array represents a line item in the purchase order. This section can repeat as needed to cover all lines in the purchase order. This value shows in the UI in Project > Contract > Contract details > Line items.	
ContractReference	Matching contract reference for the detail records. Must match the ContractReference from the request message. This value shows in the UI in Project > Contract > Contract register > ID.	
ContractDetailReference	Unique identifier for the detail line of the contract. Must match a valid ContractDetailReference from the request message. This value shows in the UI in Project > Contract > Contract details > Line items > Line item ID.	
GrossAmount	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
GrossAmountProjectCurrency	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
NetValuewithoutTax	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
NetValueWithoutTaxProjectCurrency	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
TaxTotal	Total of all taxes for the purchase order line item. This value shows in the UI in Project > Contract > Contract details > Line items > Tax amount Total.	
TaxTotalProjectCurrency	Currency ISO code associated with the value represented in the TaxTotal field. This is not shown in the UI.	
ContractDetailTax	Array of tax types and values for each contract detail line. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Tax details.	
TaxCode	String value representing a tax code applied to the line item. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Tax details > Description.	
Description	String description of the TaxCode. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Tax details > Description.	

Name	Description	Example
TaxAmount	Amount of tax for the TaxCode. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Tax details > Value.	
TaxRate	Percentage rate used for the TaxCode. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Tax details > Rate %.	
CurrencyReference	Currency code of the TaxAmount. This value shows in the UI in Project > Contract > Contract details > Contract currency.	
TaxAmountProjectCurrency	If the currency of the currency reference for the tax amount is different from the currency of the project, this is the amount of tax in the project currency code. This is not shown in the UI.	
ProjectCurrencyReference	Currency code of the project. This value shows in the UI in Project > Project details > Base currency.	
SourceSystemId	Unique ID for the tax break-up. This is not shown in the UI.	
ContractDetailType	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
Description	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
MaterialReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
MaterialGroupReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
CreatedbyReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
Quantity	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
UnitOfMeasureReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
NetPrice	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
UnitsPerPrice	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
PriceUnitOfMeasureReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
TaxCodeReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	

Name	Description	Example
DeliveryDate	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
OrderDeliveryTolerance	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
PlantReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
StorageLocationReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
DeletionIndicator	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
DeliveryCompleteIndicator	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
InvoicePlanIndicator	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
ReturnPOFlag	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
MaterialCharacteristicReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
MaterialCharacteristic	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
MaterialCharacteristicType	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
MaterialCharacteristicValue	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
ShippingAddress	*Array header for shipping address information.*	
StreetName	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
CityName	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
Region	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
CountryCode	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
PostalCode	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
TaxJurisdiction	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
AccountAssignmentCategory	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
CDSSplitMethod	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	

Name	Description	Example
ContractDetailCostItem	Array header for cost item association records. At least one set of records will be provided in this array. If the line item has not been split, the array will contain only one set. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Account assignment details.	
SplitByValue	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
AccountAssignmentLineNumber	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
AccountAssignmentNumber	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
GLAccountReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
CreatedByReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
Comments	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
FairMarketValue	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
EquipmentPrefix	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
RentalType	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
NAICScode	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
RententionPercentage	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
WBSCategoryReference	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
NoFurtherInvoiceIndicator	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	
GoodsReceiptStatus	*Do not use. Values in this field are not currently being saved to a contract. Reserved for future functionality.*	

Error Messages

The following error messages are generated by the InEight cloud platform and products for this integration. Errors in the table below are distinguished by the process that checks for the error.

- API validation errors are basic record validations that will be returned to the API request message and cause the entire payload to fail.

- Entity logic errors are performed internally in the InEight cloud platform and products to look for specific business rule or data integrity issues record-by-record. Failures with entity logic validations only cause the individual record to cease processing and are written to internal logging.

API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated.	200	Successfully saved valid <Integration Name>.
API Validation	One or more records in the message that reference other data entities could not be validated.	400	Following <Field>: {<Value>} doesn't exist in the Application.
API Validation	The payload in the body of the message was empty.	400	Parameter values are invalid

Sample JSON

Sample 1

Simplified response to provide a simple update, in this case indicating an error to the Tax Request.


```
[{

   "ContractReference": "7400000817",
   "CurrentValue": "393550.00",
   "CurrentValueProjectCurrency": "",
   "LogToken": "2730069d-f9ec-4b06-8bb6-b1646be27c3a",
   "Status": "ERROR",
   "Logger": [
      {
      "Level": "ERROR",
      "Message": "Purchase order still contains faulty items. Test 2"
      },{
      "Level": "INFO",
      "Message": "Change Price Unit could not be affected. Test 2"
      }
   ],
   "ContractTypeReference": "",
   "VendorReference": "",
   "PurchasingOrganizationReference": "",
   "PurchasingGroupReference": "",
   "LegalEntityReference": "",
   "PaymentTermReference": "",
   "ProjectCurrencyReference": "",
   "CurrencyReference": "",
   "INCOTerms": "",
   "CreatedByReference": "",
   "CreatedDate": "",
   "ContractDetailResponse": []

}]
```

Sample 2

Extended response message to provide updates to the contract based on the creation of the Tax Response in the ERP system.


```
[{
   "ContractReference": "4200006652"
   "CurrentValue": "20,000.00"
   "CurrentValueProjectCurrency": "107,556.00"
   "LogToken": "4cF4d-ffd412a-ck8k6q"
   "Status": "SUCCESS"
   "ContractTypeReference": "ZHSC"
   "VendorReference": "10012733"
   "PurchasingOrganizationReference": "0100"
   "PurchasingGroupReference": "010"
   "LegalEntityReference": "1037"
   "PaymentTermReference": "NT30"
   "CurrencyReference": "USD"
   "INCOTerms": "DDP"
   "CreatedbyReference": "00354709"
   "CreatedDate": "07/10/2017"
   "AgreementNumber": "ABCD1234",
   "AgreementValue": 9975697.65,
   "PurchaseOrderNumber": "123456YX",
   "PurchaseOrderValue": 4567894.45,
   "ContractDetailResponse": [{
      "ContractDetailReference": "1"
      "GrossAmount": "20,000.00"
      "GrossAmountProjectCurrency": "20,000.00"
      "NetValuewithoutTax": "17,800.00",
      "NetValueWithoutTaxProjectCurrency": "17,800.00"
      "TaxTotal": "500.00"
      "TaxTotalProjectCurrency": "450.00"
      "ContractDetailTax": [{
              "TaxCode": "GST"
              "Description": "Goods and Services Tax"
              "TaxAmount": "200"
              "TaxRate": "5.5"
              "CurrencyReference": "CAD"
              "TaxAmountProjectCurrency": "180"
              "ProjectCurrencyReference": "USD",
              "SourcesystemId": "USXP1IA/P Sales Tax 1 Inv.",
         },{
              "TaxCode": "PST"
              "Description": "Professional Services Tax"
              "TaxAmount": "300"
              "TaxRate": "9.5"
              "CurrencyReference": "CAD"
              "TaxAmountInProjectCurrency": "270"
              "ProjectCurrencyReference": "USD",
              "SourcesystemId": "CAXP3EA/P Sales Tax 3 Exp.",
         }]
      "ContractDetailType": ""
      "Description": 'Permanent Materials"
      "MaterialReference": "1005000400"
      "MaterialGroupReference": "AAD"
```

```
      "CreatedbyReference": "00354709"
      "Quantity": "1.00"
      "UnitOfMeasureReference": "EA"
      "NetPrice": "17,800.00"
      "UnitsPerPrice": "1"
      "PriceUnitOfMeasureReference": "EA"
      "TaxCodeReference": "I1"
      "DeliveryDate": "08/01/2017"
      "OrderDeliveryTolerance": "10"
      "PlantReference": "0193"
      "StorageLocationReference": "0595"
      "DeletionIndicator": ""
      "DeliveryCompleteIndicator": ""
      "InvoicePlanIndicator": ""
      "ReturnPOFlag": ""
      "MaterialCharacteristicReference": ""
      "MaterialCharacteristic": [{
         "MaterialCharacteristicType": "ZMM_TRAY_CABLE"
         "MaterialCharacteristicValue": "TRAY,CABLE"
         },{
         "MaterialCharacteristicType": "ZMM_TRAY_CABLE"
         "MaterialCharacteristicValue": "TRAY,CABLE"
         }]
      "ShippingAddress": [{
         "StreetName": "2480 Hennington Ave"
         "CityName": "Memphis"
         "Region": "TN"
         "CountryCode": "US"
         "PostalCode": "38109"
         "TaxJurisdiction": "4315705600"
         }]
      "AccountAssignmentCategory": "P"
      "CDSSplitMethod": "",
      "ContractDetailCostItem": [{
         "SplitByValue": "0.5",
         "AccountAssignmentLineNumber": 1,
         "AccountAssignmentNumber": "102910.2171",
         "GLAccountReference": "540310",
         "CreatedByReference": "00354709
         },{
         "SplitByValue": "0.5"
         "AccountAssignmentLineNumber": "2",
         "AccountAssignmentNumber": "102910.2192",
         "GLAccountReference": "540310",
         "CreatedBy": "00354709"
         }]
      "Comments": ""
      "FairMarketValue": ""
      "EquipmentPrefix": ""
      "RentalType": ""
      "NAICScode": ""
      "RetentionPercentage": ""
      "WBSCategoryReference": ""
      "NoFurtherInvoiceIndicator": ""
      "GoodsReceiptStatus": ""
   }
}]
```

Verification

The Contract Sync Log shows if the Tax Response Request is a success.

If there is a tax break down, you can see it on the Line Item tab.

Accrual Request

Direction		From InEight Contract
Frequency		Manually triggered in InEight Contract by a user initiating a request.
Trigger Methods		Request accrual action in the InEight Contract UI
Average Payload Size		One contract per request
APIM Name		Not available in APIM.
InEight Contract	**Starting Version**	18.4
	Ending Version	

Configuration

The configuration information is entered via the InEight Contract UI. From the System menu Application integrations page, add an entity to show the configuration options.

Configuration Option	Description	Example	Req.
Entity	Contract: Accrual request	NA	Yes
URI	Full endpoint URL destination path for the external system where payment requests are sent.	https://<address>/contractmgtaccrualrequest	Yes
Username	Security credential for username expected by the receiving system.	InEightContractMgtIntegrations	No
Password	Security credential for password expected by the receiving system.	Password123	No

Fields

Depth	Name	Type	Precision[1]	Parent
1	LogToken	String	50	
1	CreatedByReference	String	10	
1	ContractReference	String	10	
1	SourceSystemId	String	25	
1	AccrualDescription	String	100	
1	AccrualCreationDate	String	Date	
1	AccrualPostingDate	String	Date	
1	ReversePriorAccrual	Boolean	1	
1	ProjectReference	String	10	
1	ProjectSourceSystemId	Number	10	
1	LegalEntityReference	String	10	
1	AgreementNumber	String	50	
1	AgreementValue	Number	16,5	
1	PurchaseOrderNumber	String	50	
1	PurchaseOrderValue	Number	16,5	
1	TotalAccrualAmount	Decimal	16,5	
1	Currency	String	10	
1	AccrualDocumentURL	String	500	
1	VendorReference	String	100	
1	VendorDescription	String	100	
1	AccrualRequestDetail	Array	NA	
2	ContractDetailReference	String	10	AccrualRequestDetail
2	ContractDetailSourceSystemId	Number	10	AccrualRequestDetail
2	AccrualTypeReference	String	10	AccrualRequestDetail
2	AccountingLedgerReference	String	10	AccrualRequestDetail
2	Amount	Number	16,5	AccrualRequestDetail
2	CreditIndicator	Boolean	1	AccrualRequestDetail
2	ReversedAccrualRequestReference	String	10	AccrualRequestDetail
2	ReversedAccrualERPReference	String	10	AccrualRequestDetail
2	ContractDetailTypeReference	String	100	AccrualRequestDetail
2	ContractDetailDescription	String	100	AccrualRequestDetail

Depth	Name	Type	Precision[1]	Parent
2	ContractDetailQuantity	Number	16,5	AccrualRequestDetail
2	UnitOfMeasureReference	String	20	AccrualRequestDetail
2	UnitPrice	Number	16,5	AccrualRequestDetail
2	UnitsPerPrice	Number	16,5	AccrualRequestDetail
2	ContractDetailNetPrice	Number	16,5	AccrualRequestDetail
2	PreviouslyReceivedQuantity	Number	16,5	AccrualRequestDetail
2	AccrualDetailCostItem	Array	NA	AccrualRequestDetail
3	CostItemReference	String	50	AccrualDetailCostItem
3	CostItemSourceSystemId	Number	10	AccrualDetailCostItem
3	CostCenterReference	String	50	AccrualDetailCostItem
3	AccrualAmount	Decimal	16,5	AccrualDetailCostItem

1 - For numeric data types, precision is given as total digits allowed in the field and the number of those digits that exist to the right of the decimal. For example, 16,5 represents a total of 16-digits allowed in the field with 5 of those digits existing as decimal places and 11 digits on the left of the decimal. The decimal is not counted as a digit.

Field Descriptions

Name	Description	Example
LogToken	If this integration is used in conjunction with a accrual request, the LogToken provided in the request must be returned in this field to match up requests to responses. If this integration is triggered by an accrual request, the field should be left blank. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP log token ID.	c53177a2-05cf-470d-9535-6a9ef49b9f22
CreatedByReference	User that created the accrual request. This value shows in the UI in Project > Contract > Accrual Receipt register > Created by.	550267
ContractReference	Contract/purchase order number. This value is in the ContractReference field from the Purchase Order integration. Contract / purchase order number. This value shows in the UI in Project > Contract > Accrual details > Contract.	5550004467
SourceSystemId	Identifier created by the system of record and used in all system communications as the primary method of specifying a unique record. This field does not show in normal use of InEight products and can contain internal identifiers such as a GUID that is not understood by typical system users. This is not shown in the UI.	0002

Name	Description	Example
AccrualDescription	Short description of the accrual request. This value shows in the UI in Project > Contract > Accrual details > Description.	Accrual for period Q2
AccrualCreationDate	Date that the accrual request is created. This value shows in the UI in Project > Contract > Accrual Receipt register > Created date.	2/20/2019
AccrualPostingDate	Date when the accrual request is posted to ERP. This value shows in the UI in Project > Contract > Accrual Receipt register > Posting date.	2/15/2019
ReversePriorAccrual	Flag to indicate whether this accrual request is to reverse a prior accrual request sent to ERP system. This is not shown in the UI.	false
ProjectReference	Project reference number that the accrual is created for. This value shows in the UI in Project > Project details > Project ID.	1054447
ProjectSourceSystemId	Project internal ID that is a unique number maintained in the InEight cloud platform. This is not shown in the UI.	123
LegalEntityReference	Company code reference for the accrual request. This value shows in the UI in Project > Project settings > Contract > Contracts > Project ERP attributes > Company code.	5477
AgreementNumber	A free-form text field that can be manually filled by a user via the Contract UI or filled in the integration response message or the value from a dropdown representing association to a Master Agreement ID in InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Agreement ID.	5560789536
AgreementValue	An open numeric (decimal) field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Agreement value.	20,000,000.00
PurchaseOrderNumber	A free-form text field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Purchase order ID.	6203587410

Name	Description	Example
PurchaseOrderValue	An open numeric (decimal) field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Purchase order value.	150000.00
VendorReference	Vendor display ID in the UI for which the accrual request is created. This value shows in the UI in Project > Contract > Contract details > Vendor Display Id.	00256744
VendorDescription	Vendor name in the UI for which the accrual request is created. This value shows in the UI in Project > Contract > Contract details > Vendor.	Energy Corp
TotalAccrualAmount	Total accrual amount. This value shows in the UI in Project > Contract > Accrual details > Accrual amount Total.	754.23
Currency	Currency in which the accrual amount is calculated. This value shows in the UI in Project > Contract > Contract details > Contract currency.	USD
AccrualDocumentURL	URL of the supporting document for the accrual request. This value shows in the UI in Project > Contract > Accrual details > Supporting document file/link.	See Sample JSON.
AccrualRequestDetail	Array of line items from the contract that have a specific accrual request. This value shows in the UI in Project > Contract > Accrual details.	
ContractDetailReference	Line item of the contract for the accrual that is created. This value shows in the UI in Project > Contract > Accrual details > Line ID.	1
ContractDetailSourceSystemId	Line item internal ID that is unique across all the contracts maintained in the InEight cloud platform. This is not shown in the UI.	123
AccrualTypeReference	Accrual type reference. This value shows in the UI in Project > Contract > Accrual details > Accrual type.	ZBON
AccountingLedgerReference	General Ledger account used in the lines for accrual. This value shows in the UI in Project > Contract > Accrual details > GL account/Accrual GL account.	530125
Amount	Amount allocated to each line in accrual request. This value shows in the UI in Project > Contract > Accrual details > Accrual amount.	307.29

Name	Description	Example
CreditIndicator	This flag is set to true if the amount is negative. This is not shown in the UI.	true
ReversedAccrualRequestReference	If the current accrual request is a reversal of the original accrual request, then this field will have the reference of the original accrual request. This is not shown in the UI.	0004
ReversedAccrualERPReference	If the current accrual request is a reversal of the original accrual request, then this field will have the ERP reference of the original accrual request. This is not shown in the UI.	54677435444
ContractDetailTypeReference	Type of goods specified to be received by the line item. Possible values are: • Material • Service • Sub-contract • Limit This value shows in the UI in Project > Contract > Accrual details > Type.	Material
ContractDetailDescription	Associated line item description for the accrual request. This value shows in the UI in Project > Contract > Accrual details > Line description.	SUBCONTRACT,INTERIOR FINISHES,REPAIR
ContractDetailQuantity	Associated line item actual quantity. This value shows in the UI in Project > Contract > Accrual details > PO quantity.	100
UnitOfMeasureReference	Associated line item unit of measure reference. This will be the SKFUOM which is stored for the unit of measure used in line item. This value shows in the UI in Project > Contract > Accrual details > UoM.	Ea
UnitPrice	Associated line item actual unit price. This value shows in the UI in Project > Contract > Accrual details > Unit price.	1
UnitsPerPrice	Number of units per net price for the associated line item. This value shows in the UI in Project > Contract > Accrual details > Per.	1
ContractDetailNetPrice	Total net price for the associated line item. This value shows in the UI in Project > Contract > Accrual details > Net price.	100
PreviouslyReceivedQuantity	Indicates the sum of previously received quantity for the associated line item. This value shows in the UI in Project > Contract > Accrual details > Previously received.	20
AccrualDetailCostItem	Array of cost items the accrual should be posted against.	

Name	Description	Example
CostItemReference	Cost item associated to the line item in the accrual that is submitted. This value shows in the UI in Project > Contract > Accrual details > WBS.	10544.1005
CostItemSourceSystemId	Cost item internal ID that is unique for all projects maintained in the InEight cloud platform. This is not shown in the UI.	233131
CostCenterReference	Unique reference to the cost Center associated to the Cost Center line number. This value shows in the UI in Project > Contract > Accrual details > Cost center.	4257
AccrualAmount	Amount to accrue for each cost item in the array. This is not shown in the UI.	307.29

Sample JSON


```
{
"AccrualRequest": {
   "LogToken": "1917c271-46bd-465e-8308-8e0e038ce22f",
   "CreatedbyReference": "52332",
   "ContractReference": "7400001115",
   "SourceSystemId": "0001",
   "AccrualDescription": "1st Accrual e2424",
   "AccrualCreationDate": "04/14/2021",
   "AccrualPostingDate": "04/14/2021",
   "ReversePriorAccrual": "false",
   "ProjectReference": "103413",
   "ProjectSourceSystemId": 4,
   "LegalEntityReference": "1354",
   "TotalAccrualAmount": 6.0,
   "Currency": "USD",
   "AccrualDocumentURL": "https://kiewit-sbx-
215.hds.ineight.com/CoreWebServices/Documents/90525",
   "AccrualRequestDetail": [
      {
      "ContractDetailReference": "0001",
      "ContractDetailSourceSystemId": 7562,
      "AccrualTypeReference": "EQUP",
      "AccountingLedgerReference": "510335",
      "Amount": 4.0,
      "CreditIndicator": "true",
      "ReversedAccrualRequestReference": "",
      "ReversedAccrualERPReference": "",
      "AccrualDetailCostItem": [
         {
         "CostCenterReference": "",
         "CostItemReference": "103413.1009",
         "CostItemSourceSystemId": 507,
         "AccrualAmount": 3.2
         },
         {
```

```
        "CostCenterReference": "",
        "CostItemReference": "103413.1021",
        "CostItemSourceSystemId": 519,
        "AccrualAmount": 0.8
        }
      ],
      "ContractDetailDescription": "SUBCONTRACT,INTERIOR FINISHES,REPAIR",
      "ContractDetailTypeReference": "Material",
      "UnitOfMeasureReference": "Ea",
      "UnitPrice": 50.0,
      "UnitsPerPrice": 1,
      "ContractDetailNetPrice": 500.0,
      "PreviouslyReceivedQuantity": "",
      "ContractDetailQuantity": 10.0
      }
   ],
   "AgreementNumber": "",
   "AgreementValue": "",
   "PurchaseOrderNumber": "",
   "PurchaseOrderValue": "",
   "VendorReference": "",
   "VendorDescription": ""
   }
}
```

Accrual Request (Response)

Direction		To InEight Contract
Frequency		In response to each accrual request received from InEight Contract.
Trigger Method(s)		Determined by external system.
Average Payload Size		One contract per request.
APIM Name		Upsert ContractAccrualResponse
InEight Contract	**Starting Version**	18.4
	Ending Version	

Fields

Depth	Name	Type	Precision	Parent	Req.
1	AccrualRequestReference	String	10		Yes
1	AccrualRequestStatus	String	10		Yes
1	ContractReference	string	10		Yes
1	LogToken	String	50		Yes
1	Logger	Array	NA		No
2	Level	String	50	Logger	No
2	Message	String	500	Logger	No
1	AccrualSourceSystemId	String	50		Yes
1	ContractDetailReference	String	10		No
1	DisplayId	String	50		Yes

Field Descriptions

Name	Description	Example
AccrualRequestReference	Unique reference of the accrual request. This value shows in the UI in Project > Contract > Accruals Receipts register > ID.	0001
AccrualRequestStatus	This field will include the posting status of the accrual request in the ERP system. Possible values are: • Success • Error This value shows in the UI in Project > Contract > Accruals Receipts register > Status.	Success

Name	Description	Example
ContractReference	Must match the ContractReference field from the accrual request. This value shows in the UI in Project > Contract > Accrual details > Contract.	5550004467
LogToken	Must match the LogToken sent in the accrual request to ensure matches between requests and responses. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP log token ID.	c53177a2-05cf-470d-9535-6a9ef49b9f22
Logger	Array header for sending error messages in the response message. User can send multiple error messages (both error level and actual message) as array of values.	
Level	Indicates the severity of the error. Examples of the values include: • INFO • DEBUG • ERROR This is not shown in the UI.	ERROR
Message	Actual error message detailing exception of the issue This value shows in the UI in Project > Contract > Contract details > Sync log > Click on the Log Token.	Accounting assignment mismatch due to incorrect WBS code.
AccrualSourceSystemId	Internal ID of the accrual in the ERP system. This is not shown in the UI.	34647646497
ContractDetailReference	There are two methods of response allowed: • Response covers all line items at once. The details provided in the response are applied to all line items of the accrual. If this method is used, do not provide a value in this field. • Response with separate details for each line. Separate details are applied for each line in the accrual. If this option is used, provide the ContractDetailReference value from the request message that corresponds to the line item the details apply to. This value shows in the UI in Project > Contract > Accrual details.	Blank or 001
DisplayId	Unique identifier that is publicly recognizable. This field is shown in normal use of InEight products. The value sent in this field can match SourceSystemId if there is no need to use a public versus private unique identifier. When manually editing master data records through the UI or via import, users must understand that DisplayId must be unique and does not perform the same function as SourceSystemId. This is not shown in the UI.	34647646497

Error Messages

The following error messages are generated by the InEight cloud platform and products for this integration. Errors in the table below are distinguished by the process that checks for the error.

- Entity logic errors are performed internally in the InEight cloud platform and products to look for specific business rule or data integrity issues record-by-record. Failures with entity logic validations only cause the individual record to cease processing and are written to internal logging.

API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated.	202	

Sample JSON

Sample 1: Single Response for All Line Items (Success Case)


```
{
"AccrualRequestReference": "0001",
"AccrualRequestStatus": "SUCCESS",
"ContractReference": "7200000071",
"LogToken": "c53177a2-05cf-470d-9535-6a9ef49b9f22",
"AccrualSourceSystemId": "5238079066",
"ContractDetailReference":"",
"DisplayID": "5238079066"
}
```


Sample 2: Single Response for All Line Items (Error Case)


```
{
"AccrualRequestReference": "0001",
"AccrualRequestStatus": "ERROR",
"Logger":[
   {
   "Level": "ERROR",
   "Message": "Error while processing Accrual request"
   },{
   "Level": "INFO",
   "Message": "This is test message"
   }
],
"ContractReference": "7200000071",
"LogToken": "c53177a2-05cf-470d-9535-6a9ef49b9f22",
"AccrualSourceSystemId": "5238079066",
"ContractDetailReference":"",
"DisplayID": "5238079066"
}
```


Sample 3: Individual Responses for Line Items


```
[{
```

```
"AccrualRequestReference": "0001",
"AccrualRequestStatus": "SUCCESS",
"ContractReference": "7200000071",
"LogToken": "c53177a2-05cf-470d-9535-6a9ef49b9f22",
"AccrualSourceSystemId": "5238079066",
"ContractDetailReference":"1",
"DisplayID": "5238079066"
},
{
"AccrualRequestReference": "0001",
"AccrualRequestStatus": "SUCCESS",
"ContractReference": "7200000071",
"LogToken": "c53177a2-05cf-470d-9535-6a9ef49b9f22",
"AccrualSourceSystemId": "5238079066",
"ContractDetailReference":"2",
"DisplayID": "5238079067"
},
{
"AccrualRequestReference": "0001",
"AccrualRequestStatus": "ERROR",
"Logger":[
   {
   "Level": "ERROR",
   "Message": "There is posting error for the Line 3"
   },{
   "Level": "INFO",
   "Message": "This is test log information"
   }
],
"ContractReference": "7200000071",
"LogToken": "c53177a2-05cf-470d-9535-6a9ef49b9f22",
"AccrualSourceSystemId": "5238079066",
"ContractDetailReference":"3",
"DisplayID": "5238079068"
}]
```


Verification

On the Accrual/Receipts tab, Success is shown in the Status column.

Type	ID	Contract ID	Contract description	Description	Created date	Posting date	WBS	Total	Status	File/Link
Receipt	0001	7400001077	Banner_Check_Copy	test 4	04/09/2019	04/12/2019	11-Test Cost Item	$200.00	Success	
Accrual rever...	0003-X	7400000970	Test for existing behavior	A1	04/09/2019	12/07/2018	5-10 - Commercia...	($234.00)	Success	A3 (3).pdf
Receipt	0004	7400000970	Test for existing behavior	R1	04/09/2019	12/07/2018	5-10 - Commercia...	$45.00	Success	
Accrual	0003	7400000970	Test for existing behavior	A1	04/09/2019	12/07/2018	5-10 - Commercia...	$234.00	Success	A3 (3).pdf

Details of the accrual of receipt are shown on the Line Item tab in Accruals/Receipts.

103413 (CHMC- Hubbard Center for Chi...
Contract
Contracts
Contracts
7400000970 - Test for existing behavior
View:
Accruals/Receipts
Actions
HEADER
LINE ITEMS
VENDOR CHANGE ORDER LOG
BACK CHARGES
PAYMENT FORMS
PAYMENT PROGRESS
SUPPORTING DOCUMENTS
WORKFLOW ASSIGNMENTS
SYNC LOG
Create purchase order
Line items
Line Item ID
Type
Material ID
Description
Product cat...
Quantity
UoM
Unit price
Per
Net amount
0001
Material
000000016...
SUBCONTR...
MNF - SUB,ELE...
111.000
Ea
$1.00
1
$111.00
Accruals/Receipts
Number o...
Submitte...
Draft accr...
Number o...
Submitte...
Submitte...
4
$0.00
$1,300.00
4
235.000
$235.00

Storage Locations

Direction		To InEight Contract
Frequency		Determined by external system.
Trigger Methods		Determined by external system.
Average Payload Size		Entire entity – Less than 100 records. Entity delta – Less than 100 records.
APIM Name		Upsert StorageLocations
InEight Contract	**Starting Version**	18.3
	Ending Version	

Fields

Depth	Name	Type	Precision	Parent	Req.
1	PlantReference	String	25		Yes
1	StorageLocationReference	String	25		Yes
1	Description	String	250		Yes
1	SourceSystemId	String	50		Yes

Field Descriptions

Name	Description	Example
PlantReference	Plant reference for the project. Every project in the InEight cloud platform is associated to a plant. This value shows in the UI in Project > Project settings > Contracts > Project ERP attributes > Plant.	001
StorageLocationReference	Storage locations associated with the plant. A project can be associated with multiple storage locations. This value shows in the UI in Project > Project settings > Contracts > Project ERP attributes > Storage location ID.	0091
Description	Informal description of the record that is shown in normal use of InEight products to assist users when performing searches or selections. This field supports a large number of text characters, but it is recommended to keep the description as short as possible while retaining an easily recognized meaning. This value shows in the UI in Project > Project settings > Contracts > Project ERP attributes > Description.	Omaha Facility

Name	Description	Example
SourceSystemId	Identifier created by the system of record and used in all system communications as the primary method of specifying a unique record. This field does not show in normal use of InEight products and can contain internal identifiers such as a GUID that is not understood by typical system users. When manually editing master data records through the UI or via import, users must understand that if the entity contains records received from integrations, the SourceSystemId is required and must either match a known external system identifier, or the record must never be one that is managed by an external system. Failure to follow this rule can result in scenarios where an external system either fails to update an existing record or attempts to create a duplicate record because a matching value could not be found. This is not shown in the UI.	001.0091

Error Messages

The following error messages are generated by the InEight cloud platform and products for this integration. Errors in the table below are distinguished by the process that checks for the error.

- API validation errors are basic record validations that will be returned to the API request message and cause the entire payload to fail.
- Entity logic errors are performed internally in the InEight cloud platform and products to look for specific business rule or data integrity issues record-by-record. Failures with entity logic validations only cause the individual record to cease processing and are written to internal logging.

API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated.	200	Successfully saved valid <Integration Name>.
API Validation	One or more records in the message that reference other data entities could not be validated.	400	Following <Field>: {<Value>} doesn't exist in the Application.
API Validation	The payload in the body of the message was empty.	400	Parameter values are invalid

Sample JSON

```
[{
"PlantReference": "0001",
"StorageLocationReference": "0091",
"Description": " large WM",
"SourceSystemId": "001.0091"
}]
```

Verification

In InEight Contract UI, storage locations for a plant are shown on the Project ERP attributes page.

Project Shipping Address

Direction		To InEight Contract
Frequency		Determined by external system.
Trigger Methods		Manually triggered by a user in UI.
Average Payload Size		Entire entity – Less than 100 records.
APIM Name		Create ProjectShippingAddress
InEight Contract	**Starting Version**	18.3
	Ending Version	

Fields

Depth	Name	Type	Precision	Parent	Req.
1	ProjectSourceSystemId	String	50		Yes
1	StreetName	String	100		Yes
1	CityName	String	50		Yes
1	Region	String	50		Yes
1	CountryCode	String	50		Yes
1	PostalCode	String	20		Yes
1	TaxJurisdiction	String	20		Yes
1	IsDefault	String	5		Yes
1	IsActive	String	5		Yes
1	SourceSystemId	String	50		Yes

Field Descriptions

Name	Description	Example
ProjectSourceSystemId	Valid SourceSystemId for a project created in the InEight cloud platform. This value shows in the UI in Project > Project details.	6546774
StreetName	Building number and name of the street for the address. This value shows in the UI in Project > Project settings > Contracts > Delivery address > Adress 1	1101 Hillside Dr.

Name	Description	Example
CityName	Name of the city for the address. This value shows in the UI in Project > Project settings > Contracts > Delivery address > City.	South Kensington
Region	State or region of the address. This value shows in the UI in Project > Project settings > Contracts > Delivery address State/Region.	TN
CountryCode	Two-character ISO country code of the address. This value shows in the UI in Project > Project settings > Contracts > Delivery address > Country.	US
PostalCode	Postal or zip code of the address. This value shows in the UI in Project > Project settings > Contracts > Delivery address > Postal/Zip code.	11111
TaxJurisdiction	Tax jurisdiction that determines the tax based on address. Each jurisdiction is identified by a tax jurisdiction code. This value shows in the UI in Project > Project settings > Contracts > Delivery address > Tax jurisdiction code.	00234579763wr5
IsDefault	Determines if the address is the default to use on all contacts in the project. This value shows in the UI in Project > Project settings > Contracts > Delivery address > Default.	true
IsActive	Sending a value of false in this field causes the record to be soft deleted from InEight product platform. If a value is not provided, the default value true is used. This is not shown in the UI.	true
SourceSystemId	Identifier created by the system of record and used in all system communications as the primary method of specifying a unique record. This field does not show in normal use of InEight products and can contain internal identifiers such as a GUID that is not understood by typical system users. When manually editing master data records through the UI or via import, users must understand that if the entity contains records received from integrations, the SourceSystemId is required and must either match a known external system identifier, or the record must never be one that is managed by an external system. Failure to follow this rule can result in scenarios where an external system either fails to update an existing record or attempts to create a duplicate record because a matching value could not be found. This is not shown in the UI.	PROJA1

Error Messages

The following error messages are generated by the InEight cloud platform and products for this integration. Errors in the table below are distinguished by the process that checks for the error.

- API validation errors are basic record validations that will be returned to the API request message and cause the entire payload to fail.
- Entity logic errors are performed internally in the InEight cloud platform and products to look for specific business rule or data integrity issues record-by-record. Failures with entity logic validations only cause the individual record to cease processing and are written to internal logging.

API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated.	200	Successfully saved valid <Integration Name>.
API Validation	One or more records in the message that reference other data entities could not be validated.	400	Following <Field>: {<Value>} doesn't exist in the Application.
API Validation	The payload in the body of the message was empty.	400	Parameter values are invalid

Sample JSON

```
[{
"ProjectSourceSystemId": "6546774",
"StreetName": "1101 Hillside Drive",
"CityName": " South Kensington",
"Region": "TN",
"CountryCode": "US",
"PostalCode": "11111",
"TaxJurisdiction": "00234579763wr5",
"IsDefault": true,
"IsActive": true,
"SourceSystemId": " PROJA1"
}]
```

Verification

In InEight Contract UI, the shipping addresses are shown on Delivery address page.

BID PACKAGES
CONTRACTS
WORKFLOW ASSIGNMENTS
Contract configurations
Line item account settings
Delivery address
Project ERP attributes
Contract closeout
Cancel
Save
Delivery address
*Country
*Address1
Address2
*City
*State / Region
*Postal / Zip code
Tax jurisdiction code
*Default
Andorra kk kk kk Encamp kk
Andorra kk kk kk Encamp kk
United States Of America BestS8 Best C8 Colorado 844 0000018655
United States Of America BestS7 Best C7 New York 744 0000017655
United States Of America BestS6 Best C6 New York 644 0000016655

Legal Entities

Direction		To InEight Contract
Frequency		Determined by external system.
Trigger Method(s)		Determined by external system.
Average Payload Size		Entire entity – Less than 100 records. Entity delta – Less than 100 records.
APIM Name		Upsert LegalEntities
InEight Contract	**Starting Version**	18.3
	Ending Version	

Fields

Depth	Name	Type	Precision	Parent	Req.
1	Name	String	25		Yes
1	Description	String	50		Yes
1	CountryReference	String	10		Yes
1	Currency	String	10		Yes
1	Language	String	10		Yes

Field Descriptions

Name	Description	Example
Name	Unique code for the legal entity. This value shows in the UI in Project > Project settings > Contract > Contracts > Project ERP attributes > Company Code > Company ID.	001
Description	Description of the legal entity. This value shows in the UI in Project > Project settings > Contract > Contracts > Project ERP attributes > Company Code > Description.	ABC Corporation
CountryReference	Country code for the legal entity. This is not shown in the UI.	US
Currency	Currency code for the legal entity. This is not shown in the UI.	USD
Language	Language code. This is not shown in the UI.	EN

Error Messages

The following error messages are generated by the InEight cloud platform and products for this integration. Errors in the table below are distinguished by the process that checks for the error.

- API validation errors are basic record validations that will be returned to the API request message and cause the entire payload to fail.
- Entity logic errors are performed internally in the InEight cloud platform and products to look for specific business rule or data integrity issues record-by-record. Failures with entity logic validations only cause the individual record to cease processing and are written to internal logging.

API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated.	200	Successfully saved valid <Integration Name>.
API Validation	One or more records in the message that reference other data entities could not be validated.	400	Following <Field>: {<Value>} doesn't exist in the Application.
API Validation	The payload in the body of the message was empty.	400	Parameter values are invalid

Sample JSON

```
[{
"Name": "001",
"Description": "ABC Corp",
"CountryReference": "US",
"Currency": "USD",
"Language": "EN"
}]
```

Verification

In InEight Contract, the legal entities are shown on ERP attributes page in Settings.

BID PACKAGES
CONTRACTS
WORKFLOW ASSIGNMENTS
Contract configurations
Line item account settings
Delivery address
Project ERP attributes
Contract closeout
Cancel
Project ERP attributes
Good receipts?
Non-Val...
Company code
Plant
0001 - Werk 0001
COMPANY ID
Description
0001
SAP A.G.
0MB1
IS-B Musterbank Deutschl.
1000
Company Code 1000
1003
Kiewit Mining Group Inc.
*Storage location ID
*Description
*Default
0

Project Legal Entities

Direction		To InEight Contract
Frequency		Determined by external system.
Trigger Method		Determined by external system.
Average Payload Size		Entire entity – Less than 100 records. Entity delta – Less than 100 records.
APIM Name		Upsert ProjectLegalEntity
InEight Contract	**Starting Version**	18.3
	Ending Version	

Fields

Depth	Name	Type	Precision	Parent	Req.
1	ProjectSourceSystemId	String	50		Yes
1	LegalEntitySourceSystemId	String	50		Yes
1	PlantSourceSystemId	String	50		Yes
1	IsGRValuated	String	5		Yes
1	IsSplitAccountAllowed	String	5		Yes
1	IsActive	String	5		Yes
1	SourceSystemId	String	50		Yes

Field Descriptions

Name	Description	Example
ProjectSourceSystemId	SourceSystemId of a valid project that exists in the InEight cloud platform. This value shows in the UI in Project > Project details.	11034677
LegalEntitySourceSystemId	SourceSystemId of a valid legal entity that exists the InEight cloud platform. This value shows in the UI in Project > Project settings > Contracts > Project ERP attributes > Company code.	BTWY
PlantSourceSystemId	SourceSystemId of a valid plant that exists the InEight cloud platform. This value shows in the UI in Project > Project settings > Contracts > Project ERP attributes > Plant.	0134

Name	Description	Example
IsGRValuated	Flag to indicate whether goods receipt is required for the project or not. If goods receipt is not applicable for the project, then set the value to false else true. If a value is not provided, the default value true is used. This value shows in the UI in Project > Project settings > Contracts > Project ERP attributes > Are goods receipts valuated.	true
IsSplitAccountAllowed	Flag to indicate whether line items created for any contract in this project have multiple WBS assignments. If the value set to false, then multiple WBS assignments cannot be allowed for any line item or any contract under this project. If a value is not provided, the default value true is used. This value shows in the UI in Project > Project settings > Contracts > Line item account settings > Allow multiple/split WBS account distribution.	true
IsActive	Sending a value of false in this field will cause the record to be soft deleted from InEight cloud platform. If a value is not provided, the default value true is used. This is not shown in the UI.	true
SourceSystemId	Identifier created by the system of record and used in all system communications as the primary method of specifying a unique record. This field does not show in normal use of InEight products and can contain internal identifiers such as a GUID that is not understood by typical system users. This is not shown in the UI.	11034677.BTWY

Error Messages

The following error messages are generated by the InEight cloud platform and products for this integration. Errors in the table below are distinguished by the process that checks for the error.

- API validation errors are basic record validations that will be returned to the API request message and cause the entire payload to fail.
- Entity logic errors are performed internally in the InEight cloud platform and products to look for specific business rule or data integrity issues record-by-record. Failures with entity logic validations only cause the individual record to cease processing and are written to internal logging.

API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated.	200	Successfully saved valid <Integration Name>.
API Validation	One or more records in the message that reference other data entities could not be validated.	400	Following <Field>: {<Value>} doesn't exist in the Application.

API / Entity Logic	Condition	Code	Message
API Validation	The payload in the body of the message was empty.	400	Parameter values are invalid

Sample JSON

```
[{
"ProjectSourceSystemId": "",
"LegalEntitySourceSystemId": "",
"PlantSourceSystemId": "",
"IsGRValuated": true,
"IsSplitAccountAllowed": true,
"IsActive": true,
"SourceSystemId": ""
}]
```

Verification

In InEight Contract, the goods receipts are shown on ERP attributes page in Settings.

Project Storage Location

Direction		To InEight Contract
Frequency		Determined by external system.
Trigger Method(s)		Determined by external system.
Average Payload Size		Entire entity – Less than 100 records. Entity delta – Less than 100 records.
APIM Name		Upsert ProjectStorageLocation
InEight Contract	**Starting Version**	18.3
	Ending Version	

Fields

Depth	Name	Type	Precision	Parent	Req.
1	ProjectSourceSystemId	String	50		Yes
1	PlantSourceSystemId	String	50		Yes
1	StorageLocationSourceSystemId	String	50		Yes
1	IsDefault	String	5		Yes
1	IsActive	String	5		Yes
1	SourceSystemId	String	50		Yes

Field Descriptions

Name	Description	Example
ProjectSourceSystemId	SourceSystemId of a valid project that exists in the InEight cloud platform. This value shows in the UI in Project > Project details > Project ID.	11034677
PlantSourceSystemId	SourceSystemId of a valid plant that exists the InEight cloud platform. This value shows in the UI in Project > Project settings > Contracts > Project ERP attributes > Plant.	0131
StorageLocationSourceSystemId	SourceSystemId of a valid storage location that exists the InEight cloud platform. This value shows in the UI in Project > Project settings > Contracts > Project ERP attributes > Storage location ID.	9999

Name	Description	Example
IsDefault	Determines if the plant/storage location combination should be the default for all new contracts in the project. This value shows in the UI in Project > Project > Project settings > Contracts > Project ERP attributes > Default.	true
IsActive	Sending a value of false in this field will cause the record to be soft deleted from InEight product platform. If a value is not provided, the default value true is used. This is not shown in the UI.	true
SourceSystemId	Identifier created by the system of record and used in all system communications as the primary method of specifying a unique record. This field does not show in normal use of InEight products and can contain internal identifiers such as a GUID that is not understood by typical system users. This is not shown in the UI.	11034677. 1031.9999

Error Messages

The following error messages are generated by the InEight cloud platform and products for this integration. Errors in the table below are distinguished by the process that checks for the error.

- API validation errors are basic record validations that will be returned to the API request message and cause the entire payload to fail.
- Entity logic errors are performed internally in the InEight cloud platform and products to look for specific business rule or data integrity issues record-by-record. Failures with entity logic validations only cause the individual record to cease processing and are written to internal logging.

API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated.	200	Successfully saved valid <Integration Name>.
API Validation	One or more records in the message that reference other data entities could not be validated.	400	Following <Field>: {<Value>} doesn't exist in the Application.
API Validation	The payload in the body of the message was empty.	400	Parameter values are invalid

Sample JSON

```
[{
"ProjectSourceSystemId": "11034677",
"PlantSourceSystemId": "0131",
"StorageLocationSourceSystemId": "9999",
"IsDefault": true,
"IsActive": true,
"SourceSystemId": "11034677. 1031.9999"
```

```
}]
```

Verification

In InEight Contract, verify the content shown on Project ERP attributes page in Settings.

Plants

Direction		To the InEight cloud platform
Frequency		Determined by external system.
Trigger Method(s)		Determined by external system.
Average Payload Size		Entire entity: Potentially tens or hundreds of records. Entity changes should be infrequent.
APIM Name		Upsert Plants
InEight Contract	**Starting Version**	18.1
	Ending Version	

Fields

Depth	Name	Type	Precision	Parent	Req.
1	PlantReference[1]	String	25		Yes
1	Description	String	250		Yes
1	LegalEntityReference	String	25		Yes
1	IsActive	Boolean	NA		

1 - Natural Key field.

Field Descriptions

Name	Description	Example
PlantReference	Public unique identifier for the Plant record. This value shows in the UI in Project > Project settings > Contracts > Project ERP attributes > Plant.	0101
Description	Description for the Plant record. This value shows in the UI in Project > Project settings > Contracts > Project ERP attributes > Plant.	Eastern Area Form Assembly
LegalEntityReference	A valid reference to the name of an existing Legal Entity record. This value shows in the UI in Project > Project settings > Contracts > Project ERP attributes > Company code.	1354
IsActive	Determines if the record is available in InEight. Setting this field to false will cause the record to be soft deleted from InEight. This is not shown in the UI.	true

Sample JSON


```
[
   {
      "PlantReference": "0001",
      "Description": "Eastern Assembly Yard",
      "LegalEntityReference": "0001",
      "IsActive": true
   },
   {
      "PlantReference": "0101",
      "Description": "Western Assempbly Yard",
      "LegalEntityReference": "1354",
      "IsActive": true
   },
   {
      "PlantReference": "0102",
      "Description": "Southern Assembly Yard",
      "LegalEntityReference": "1013",
      "IsActive": true
   },
   {
      "PlantReference": "0103",
      "Description": "National Spool Assembly",
      "LegalEntityReference": "1014",
      "IsActive": true
   },
   {
      "PlantReference": "0104",
      "Description": "Underground Pipe",
      "LegalEntityReference": "1014",
      "IsActive": true
   }
]
```

Verification

Plants do not have a UI for managing the list inside the application. Verification can be performed only after plants have been assigned to Project Legal Entities. Go to Project Settings, then select **Contract** from the left navigation menu. Click Project ERP attributes tab. To view the Plant records, select a Legal Entity record from the **Company code** drop-down list. Click the **Plant** drop-down list to see all the Plant records associated to the Legal Entity.

Contract Equipment (Request)

Direction		From InEight Contract to External (ERP or Finance).
Frequency		Manually triggered in InEight Contract by a user initiating a request.
Trigger Methods		Request Contract Eqiupment action in the InEight Contract UI.
Average Payload Size		One contract per request.
APIM Name		Not available through APIM.
InEight Contract	**Starting Version**	20.2
	Ending Version	

Configuration

The configuration information is entered via the InEight Contract UI. From the System menu Application integrations page, add an entity to show the configuration options.

Configuration Option	Description	Example	Req.
Entity	Contract: Equipment request	NA	Yes
URI	Full endpoint URL destination path for the external system where equipment requests will be submitted.	https://<address>/contractmgtequipmentrequest	Yes
Username	Security credential for username expected by the receiving system.	InEightContractMgtIntegrations	No
Password	Security credential for password expected by the receiving system.	Password123	No

Fields

Depth	Name	Type	Precision[1]	Parent
1	LogToken	String	50	
1	Equipment	Array	NA	
2	SourceSystemId	String	50	Equipment
2	SourceSystemName	String	50	Equipment
2	EquipmentStatusId	String	50	Equipment
2	SerialNumber	String	50	Equipment
2	EquipmentDisplay	String	50	Equipment
2	EquipmentDescription	String	100	Equipment
2	EquipmentTypeSourceSystemId	String	50	Equipment
2	AquisitionValue	Number	16,5	Equipment
2	EquipmentMake	String	50	Equipment
2	EquipmentModel	String	50	Equipment
2	Manufacturer	String	50	Equipment
2	ConstructionYear	String	50	Equipment
2	ImageDataURL	String	500	Equipment
2	UnitCost	Number	16,5	Equipment
2	DailyRate	Number	16,5	Equipment
2	WeeklyRate	Number	16,5	Equipment
2	MonthlyRate	Number	16,5	Equipment
2	CurrencyName	String	50	Equipment
2	UnitOfMeasureSourceSystemId	String	50	Equipment
2	IsDOT	String	50	Equipment
2	VendorSourceSystemId	String	50	Equipment
2	CostCenterSourceSystemId	String	50	Equipment
2	Location	String	50	Equipment
2	AvailableForDailyPlanning	String	50	Equipment
2	TransportationCostResponsibility	String	50	Equipment
2	DateOfRent	String	Date	Equipment
2	EquipmentCondition	String	50	Equipment
2	PurchaseOptionInPercent	String	50	Equipment
2	CreatedbyReference	String	50	Equipment

Depth	Name	Type	Precision[1]	Parent
2	OwnershipType	String	50	Equipment
2	ProjectAssignment	Array	NA	Equipment
3	ProjectSourceSystemId	String	50	ProjectAssignment
3	ProjectUnitCost	Number	16,5	ProjectAssignment
3	CurrencyName	String	50	ProjectAssignment
3	UnitOfMeasureSourceSystemId	String	50	ProjectAssignment
3	ProjectEquipmentTypeOverrideSourceSystemId	String	50	ProjectAssignment
3	StartDate	String	Date	ProjectAssignment
3	EndDate	String	Date	ProjectAssignment
3	ContractReference	String	50	ProjectAssignment
3	ContractURL	String	500	ProjectAssignment
3	ContractDetailReference	String	50	ProjectAssignment

1 - For numeric data types, precision is given as total digits allowed in the field and the number of those digits that exist to the right of the decimal. For example, 16,5 represents a total of 16-digits allowed in the field with 5 of those digits existing as decimal places and 11 digits on the left of the decimal. The decimal is not counted as a digit.

Field Descriptions

Name	Description	Example
LogToken	If this integration is used in conjunction with an accrual request, the LogToken provided in the request must be returned in this field to match requests to responses. If this integration is triggered by an accrual request, the field should be left blank. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP log token ID.	c53177a2-05cf-470d-9535-6a9ef49b9f22
Equipment	Array of equipment used in the Contract. This value shows in the UI in Project > Assigned operational resources > Equipment.	
SourceSystemId	Unique external system ID used to identify the equipment. This is not shown in the UI.	0002
SourceSystemName	Name of the external system where equipment is created. This is not shown in the UI.	Motor
EquipmentStatusId	Status of the equipment. When sent from Contract, this value will always be 1. This is not shown in the UI.	1

Name	Description	Example
SerialNumber	Serial number of the equipment. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Assign equipment details > Serial number.	1233333
EquipmentDisplay	Unique display name of the equipment. This value shows in the UI in Project > Assigned operational resources > Equipment > Equipment ID.	MotorName
EquipmentDescription	Equipment description if one exists. If not, the system will send a combination of EquipmentMake plus EquipmentModel. This value shows in the UI in Project > Assigned operational resources > Equipment > Description.	AC Motor
EquipmentTypeSourceSystemId	If the Equipment Type is selected from the InEight cloud platform, then it sendsthe unique equipment type ID maintained in the system.	MT123454
AquisitionValue	Market value of the equipment. This value shows in the UI in Project > Assigned operational resources > Equipment > Equipment Information details slideout > Acquisition value.	99999.99
EquipmentMake	Make of the equipment. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Assign equipment details > Equipment make.	Hitachi
EquipmentModel	Model of the equipment. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Assign equipment details > Equipment model.	Cooler
Manufacturer	Manufacturer details if available for the selected equipment. This value shows in the UI in Project > Assigned operational resources > Equipment > Equipment Information details slideout > Manufacturer.	Hitachi Cord
ConstructionYear	Year when the selected equipment was manufactured. This value shows in the UI in Project > Assigned operational resources > Equipment > Equipment Information details slideout > Construction year.	2019
ImageDataURL	If there is any image of the equipment uploaded in a shared location, then it can be included here This is not shown in the UI.	Any url
UnitCost	Unit cost for the equipment. This value shows in the UI in Project > Assigned operational resources > Equipment > Unit cost.	1223

Name	Description	Example
DailyRate	Daily rate to rent the equipment. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Assign equipment details > Daily rate.	100
WeeklyRate	Weekly rate to rent the equipment. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Assign equipment details > Weekly rate.	500
MonthlyRate	Monthly rate to rent the equipment. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Assign equipment details > Monthly rate.	2000
CurrencyName	Currency ISO code used when the rate is calculated for the equipment. This value shows in the UI in Project > Assigned operational resources > Equipment > Equipment Information details slideout > Currency.	USD
UnitOfMeasureSourceSystemId	Unit of measure represented by quantity. This must match a valid UOMSourceSystemId in the InEight cloud platform master data. This value shows in the UI in Project > Assigned operational resources > Equipment > UoM.	EA
IsDOT	This field is left blank if sent from InEight Contract. This value shows in the UI in Project > Assigned operational resources > Equipment > Equipment Information details slideout > DoT regulated.	""
VendorSourceSystemId	Unique identifier of a vendor record on the contract. This value shows in the UI in Project > Assigned operational resources > Equipment > Vendor.	1102354
CostCenterSourceSystemId	Unique reference to the cost item associated to the equipment. This value shows in the UI in Project > Assigned operational resources > Equipment > Cost center.	ABC123
Location	Location of the equipment if applicable. This value shows in the UI in Project > Assigned operational resources > Equipment > Location.	Blank
AvailableForDailyPlanning	This flag (*true*) identifies the equipment, when synced to Platform, is available to use for Daily Plan. This value shows in the UI in Project > Assigned operational resources > Equipment > Equipment available for selection in daily plan.	true
TransportationCostResponsibility	If the equipment need to be moved from one place to project location, then responsible party to bear the movement cost. Possible values are: • Owner • Contractor This is not shown in the UI.	Owner

Name	Description	Example
DateOfRent	Date when the equipment is rented. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Assign equipment details > Date of rent.	12/12/2019
EquipmentCondition	Condition of the equipment. Possible values are: • New • Used This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Assign equipment details > Condition.	New
PurchaseOptionInPercent	Partial purchase option percentage. This value shows in the UI in Project > Contract > Contract details > Line items > Line item slideout > Assign equipment details > Purchase option (%).	12
CreatedbyReference	User that created the equipment request. This is not shown in the UI.	550267
OwnershipType	Type of ownership of the equipment. When sent from Contract the value is Rented. This value shows in the UI in Project > Assigned operational resources > Equipment > Ownership.	Rented
ProjectSourceSystemId	Project source system ID that the equipment request is created for. This value shows in the UI in Project > Project details > Project ID.	1054447
ProjectUnitCost	Unit cost for that project if any. Default value in 0. This is not shown in the UI.	12
CurrencyName	Currency used in for the line item. This value shows in the UI in Project > Contract > Contract details > Contract currency.	USD
UnitOfMeasureSourceSystemId	Unit of measure represented by quantity. This must match a valid UOMSourceSystemId in the InEight cloud platform master data. This value shows in the UI in Project > Assigned operational resources > Equipment > UoM	EA
ProjectEquipmentTypeOverrideSourceSystemId	Unique ID for the type of the equipment. This value needs to be from the InEight cloud platform Equipment Type master data. This is not shown in the UI.	ABC12455
StartDate	Start date of the equipmnet usage. This value shows in the UI in Project > Assigned operational resources > Equipment > Equipment project start date.	12/12/2019
EndDate	End date of the equipmnet usage. This value shows in the UI in Project > Assigned operational resources > Equipment > Equipment project end date.	12/12/2020

Name	Description	Example
ContractReference	Contract/purchase order number. This value is in the ContractReference field from the Purchase Order integration. This value shows in the UI in Project > Contract > Contract register > ID.	5550004467
ContractURL	InEight cloud platform URL for the contract. This value shows in the UI in Project > Assigned operational resources > Equipment > Contract URL.	See below JSON for sample
ContractDetailReference	Line item reference for the lines that the equipment request is created. This value shows in the UI in Project > Contract > Contract details > Line items > Line item ID.	1

Sample JSON


```
{
"LogToken": "10b2183d-76f7-4d39-a852-015838279373",
"Equipment": [
   {
   "SourceSystemId": "",
   "SourceSystemName": "",
   "EquipmentStatusId": 0,
   "SerialNumber": "ABCD1234",
   "EquipmentDisplay": "XXX452WE",
   "EquipmentDescription": "",
   "EquipmentTypeSourceSystemId": "",
   "AquisitionValue:": 223412.0,
   "EquipmentMake": "Hitachi",
   "EquipmentModel": "Diagonal",
   "Manufacturer": "",
   "ConstructionYear": "",
   "ImageDataURL": "",
   "UnitCost": 123.0,
   "DailyRate": 800.0,
   "WeeklyRate": 5600.0,
   "MonthlyRate": 134501.0,
   "CurrencyName": "",
   "UnitOfMeasureSourceSystemId": "",
   "IsDOT": true,
   "VendorSourceSystemId": "",
   "CostCenterSourceSystemId": "",
   "Location": "",
   "AvailableForDailyPlanning": true,
   "TransportationCostResponsibility": "Owner",
   "DateOfRent": "09/09/2019",
   "EquipmentCondition": "New",
   "PurchaseOptionInPercent": 15,
   "CreatedbyReference": "00233076",
   "ProjectAssignment": [
      {
      "ProjectSourceSystemId": "103660",
      "ProjectUnitCost": 0,
```

```
      "CurrencyName": "",
      "UnitOfMeasureSourceSystemId": "",
      "ProjectEquipmentTypeOverrideSourceSystemId": "",
      "StartDate": "10/10/2019",
      "EndDate": "10/20/2020",
      "ContractReference": 7200000678,
      "ContractURL":
"https://[environment]/AppContract/Contracts?projectId=93#/contract/7400000482",
      "ContractDetailReference": 1
      }
      ]
   }
   ]
}]
```

Contract Equipment (Response)

Direction		To InEight Contract.
Frequency		In response to each equipment request received from InEight Contract.
Trigger Methods		Determined by external system.
Average Payload Size		One contract per request.
APIM Name		Upsert ContractEquipment
InEight Contract	**Starting Version**	20.2
	Ending Version	

Fields

Depth	Name	Type	Precision	Parent	Req.
1	ProjectReference	String	50		Yes
1	ContractReference	string	10		Yes
1	LogToken	String	50		Yes
1	Status	String	50		Yes
2	Logger	Array	NA		No
3	Level	String	50	Logger	No
3	Message	String	500	Logger	No
1	ContractEquipmentDetail	Array	NA		No
2	EquipmentSourceSystemId	String	50	ContractEquipmentDetail	Yes
2	ContractDetailReference	String	10	ContractEquipmentDetail	Yes

Field Descriptions

Name	Description	Example
ProjectReference	Unique reference of the project that the equipment request was generated. This value shows in the UI in Project > Project details > Project ID.	103514
ContractReference	Must match the ContractReference field from the accrual request. This value shows in the UI in Project > Assigned operational resources > Equipment > Contract reference.	5550004467

Name	Description	Example
LogToken	Must match the LogToken sent in the accrual request to ensure matches between requests and responses. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP log token ID.	c53177a2-05cf-470d-9535-6a9ef49b9f22
Status	This field will include the posting status of the Contract Equipment request in the ERP system. Possible values are: • Success • Error This value shows in the UI in Project > Contract > Contract details > Sync log > ERP Status.	Success
Logger	Array header for sending error messgaes in the response message. User can send multiple error messages (both error level and actual message) as array of values.	
Level	Indicates the severity of the error. Examples of the values include: • INFO • DEBUG • ERROR This is not shown in the UI.	ERROR
Message	Actual error message detailing exception of the issue This value shows in the UI in Project > Contract > Contract details > Sync log > Click on the Log Token	Accounting assignment mistamtch due to incorrect WBS code.
EquipmentSourceSystemId	Internal ID of the Equipment record in the ERP system. This value shows in the UI in Project > Assigned operational resources > Equipment > Equipment ID.	34647646497
ContractDetailReference	Contract line item number that the equipment request was created. This value shows in the UI in Project > Assigned operational resources > Equipment > Contract line number.	001

Error Messages

The following error messages are generated by the InEight cloud platform and products for this integration. Errors in the table below are distinguished by the process that checks for the error.

- API validation errors are basic record validations that will be returned to the API request message and cause the entire payload to fail.
- Entity logic errors are performed internally in the InEight cloud platform and products to look for specific business rule or data integrity issues record-by-record. Failures with entity logic validations only cause the individual record to cease processing and are written to internal logging.

API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated.	200	

Sample JSON

Sample 1: Single Response for All Line Items

```
{
"ProjectReference": "103660",
"ContractReference": "7400000482",
"LogToken": "10b2183d-76f7-4d39-a852-015838279373",
"Status": "SUCCESS",
"ContractEquipmentDetail": [
   {
   "ContractDetailReference": "1",
   "EquipmentSourceSystemId": "ABCD1234"
   }
   ]
}
```

Sample 2: Single Response for All Line Items (Error Case)

```
{
"ProjectReference": "103660",
"ContractReference": "7400000482",
"LogToken": "10b2183d-76f7-4d39-a852-015838279373",
"Status": "Error",
   "Logger":[
      {
      "Level": "ERROR",
      "Message": "Equipment Request still contains faulty items"
      },{
      "Level": "INFO",
      "Message": "Change Price Unit could not be affected"
      }
   ],
"ContractEquipmentDetail": []
}
```

Verification

On the Contract Sync Log tab, Success is shown in the Status column.

Invoice

This integration allows you to add an invoice in InEight Contract. The user can send link to the invoice if the invoice is stored in an external system or send the actual invoice as Base 64 encoded string. After the invoice is added, it shows in Invoice Register.

Direction		To InEight Contract.
Frequency		Determined by external system.
Trigger Methods		Determined by external system.
Average Payload Size		Entire entity – Less than 100 records. Entity delta – Less than 100 records.
APIM Name		Upsert Invoices
InEight Contract	**Starting Version**	21.12
	Ending Version	

Business Flow

Fields

Depth	Name	Type	Precision	Parent	Req.
1	ProjectReference	String	50		Yes
1	ContractReference	string	10		No
1	InvoiceNumber	String	50		Yes
1	InvoiceStatus	String	50		Yes
1	InvoiceDate	String	Date		Yes
1	InvoiceAmount	Decimal	16,5		Yes
1	RetentionReleaseAmount	Decimal	16,5		No
1	EstimatedPostingDate	String	Date		No
1	InvoiceTax	Decimal	16,5		No

Depth	Name	Type	Precision	Parent	Req.
1	RecordId	String	50		No
1	SourceSystemId	String	50		No
1	SourceSystemName	String	50		No
1	InvoiceURL	String	500		Yes
1	InvoiceTaxDetail	Array	NA		No
2	TaxType	String	50	InvoiceTaxDetail	Yes
2	TaxAmount	Decimal	16,5	InvoiceTaxDetail	Yes

Field Descriptions

Name	Description	Example
ProjectReference	Unique reference for the project that the invoice is being created. This value shows in the UI in Project > Project details > Project ID.	103514
ContractReference	Contract Number for which invoice is being added. This value shows in the UI in Project > Contract > Invoices register > Contract ID.	550004467
InvoiceNumber	Represents the invoice ID of the invoice. This invoice number shows in the Invoice Register after it is added to InEight Contract. This value shows in the UI in Project > Contract > Invoices register > Invoice number.	
InvoiceStatus	Indicates status of the invoice as stored in an external system. This shows in the Invoice Register and Payment Request Invoice tab in InEight Contract. This value shows in the UI in Project > Contract > Invoices register > Record status.	
InvoiceDate	Date shown on the vendor's invoice. This value shows in the UI in Project > Contract > Invoices register > Invoice date.	
InvoiceAmount	Amount specified in the invoice. This value shows in the UI in Project > Contract > Invoices register > Invoice amount.	
RetentionReleaseAmount	This field shows a value if the invoice is a Retention release invoice. This value shows in the UI in Project > Contract > Invoices register > Retention release requested	
EstimatedPostingDate	This is the estimated posting date for the invoice. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Estimated posting date.	

Name	Description	Example
InvoiceTax	Tax amount for the invoice. This value shows in the UI in Project > Contract > Invoices register > Total tax.	
RecordId	Unique record ID for the invoice as stored in external system. This ID shows in the Invoice Register and Payment Request Invoice tab in InEight Contract. This value shows in the UI in Project > Contract > Invoices register > Record ID.	
SourceSystemId	Unique invoice document ID stored in the external system. This is not shown in the UI.	
SourceSystemName	Name of the system from which the invoice is posted. This is not shown in the UI.	
InvoiceURL	Link to the invoice. This can be any link accessible by external system. This value shows in the UI in Project > Contract > Invoices register > File/link.	
InvoiceTaxDetail	This array is a breakdown of the invoice tax. This value shows in the UI in Project > Contract > Invoices register > Total tax Hover over.	
TaxType	Should match the tax settings stored for the project in InEight Contract project settings. This value shows in the UI in Project > Contract > Invoices register > Total tax Hover over.	
TaxAmount	Tax amount for that tax type. This value shows in the UI in Project > Contract > Invoices register > Total tax Hover over.	

Error Messages

The following error messages are generated by the InEight cloud platform and products for this integration. Errors in the table below are distinguished by the process that checks for the error.

- API validation errors are basic record validations that will be returned to the API request message and cause the entire payload to fail.
- Entity logic errors are performed internally in the InEight cloud platform and products to look for specific business rule or data integrity issues record-by-record. Failures with entity logic validations only cause the individual record to cease processing and are written to internal logging.

Below errors can be seen when the user accesses the Locaton url from the Response Header for Request message.

Response Headers


```
{
  "access-control-allow-credentials": "true",
  "access-control-allow-origin": "https://ineightsuite-qa-253.hds.ineight.com",
  "access-control-expose-headers": "Request-Context",
  "cache-control": "no-store, must-revalidate, no-cache",
  "content-length": "3",
  "content-type": "application/json; charset=utf-8",
  "date": "Fri, 23 May 2025 16:25:02 GMT",
  "expires": "Fri, 23 May 2025 16:25:02 GMT",
  "location": "https://ineightsuite-qa-253.hds.ineight.com/ExternalSystem//Messages/ImportStatus?requestId=99d64837-5c
  "pragma": "no-cache",
  "request-context": "appId=cid-v1:43092f52-46aa-4752-b49a-d67dd6bdee64",
  "retry-after": "10",
  "server": "Microsoft-IIS/10.0",
  "strict-transport-security": "max-age=31536000; includeSubDomains; preload",
  "x-powered-by": "ASP.NET",
  "x-requestid": "a93fface-d4f1-4e1e-88c6-3162ffd1111"
}
```


API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated	202	Successfully <<created/updated>> Invoice <<Invoice Id>> for Project <<Project Display Id>> and Contract <<Contract Number>>
API Validation	Invalid Project Id	202	Invalid project id <<Project Display Id>> for Invoice <<Invoice Number>> in Contract <<Contract Number>>
API Validation	Invlaid file name or content type	202	Unable to proceess the document, you must provide FileName with extention or contentType
API Validation	Generic error	202	Error saving external payforms

Sample JSON

Sample 1: Single Response for All Line Items


```
[{
"ProjectReference": "104356",
   "ContractReference": "72000678",
   "InvoiceNumber": "INV45678",
   "InvoiceStatus": "Payment Cleared",
   "InvoiceDate": "06/31/2011",
   "InvoiceAmount": 140000.0,
   "RetentionReleaseAmount": "",
   "EstimatedPostingDate": "",
   "InvoiceTax": 400.0,
   "RecordId": "INV45678",
   "SourceSystemId": "INV45678",
   "SourceSystemName": "External",
   "InvoiceURL": "Https://abc.com/storage/abc.pdf",
   "InvoiceTaxDetail": [
      {
      "TaxType": "GST/PST",
      "TaxAmount": 30.0
      },
```

```
      {
      "TaxType": "HST",
      "TaxAmount": 60.0
      }
   ],
   "InvoiceDocument": [
      {
         "DocumentBase64":
"JVBERi0xLjcKCjQgMCBvYmoKKElkZW50aXR5KQplbmRvYmoKNSAwIG9iagooQWRvYmUpCmVuZG9iago4ID
Agb2JqCjw8Ci9GaWx0ZXIgL0ZsYXRlRGVjb2RlCi9MZW5ndGggMjQxODQKL0xlbmd0aDEgNTY1MTIKL1R5c
GUgL1N0cmVhbQo+PgpzdHJlYW0KeJzsvQlgFEX2P/6qumdykotwJpCZzEw4EhIIhCMghvsUEAIkiJohBwnk
IgkgCIggilHR9ZZ1BV3XA10MooiuooK6eICu31XUxQNEQJdFcVm+KJD+f+p1z2Ryge53d7+//+9nV1519av
XVa/eVVXdnYQEEcUi0ylrzMhRo8WScy8QfdKPSN48ZsrkaX+70/t7oks3Ei3+Ysy06cM3TNq2gejNlUSR/S
ZPS0sf/8OjdiKxG63kTcselv2ns+8aRB9vx/Wy/DJvZfvx7dOI2n2E69fyF9U4nL9p9wZR9964fqWocm7Zz
Jsio4ja34/2Vs/1VldSEMWhvztRHz63dEnRwfKlu0D/HVHo0OJCb4H7oX+sR38TUd+/GIjws20ew/V1uHYX
l9VclfdEBO6X3Yna1s0vrCrv+9nQVKKLskAjSyvyve9ct/dzor7oPzSqzHtVZXBZ5CnUoQ1ylBXWePv/9qp
pRB89o+jLvWWF7ea3/YFo6Ei016uyorrG2EDp4K9G0VdWFVZWrjHaEiU50Gcky1LKWztunZ9/ZeSQf1BYMK
nj04cX/qjOB4vTM86Kc3tCFgbH4tJOkswD9wWtPvcyeEo6K05/j3pqfOh/UjS2IOoNPUWRhjujKE0oJidGr
saVIF1fJm4jGwXb+up7cMt68yz3UJH8C85hpEt16A6SN6Be87V9yTSHg16hNufOmjwEx8q+DhIbVJ221zZc
jZQ07XVw8RwFK6BfjhYP2Y7q/p3t26f+e9v/Vx36DTSR/i89tGga+FNp9SyaR/+hQ+/bcl/6slbwA/5zvJ3
vEF/TzYAHW8L/s23CD+9uCW//L3pQL2neV+Chz/sP6mx5Ay/y9+fn63/j0B7497Srr/jftz2tgqZpd9A0+u
X45fjl+OX45fjl+OX45fhfPMRG+n/ikP+g6+mX45fj/5hDvPNvbv8L+s8f6umiesoXi5yf8pLOz4/c5EBJR
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Uzy0qLMif48278orLZ182Kzdn5ozp2dMunTJ50iUTJ4wfN3bM6O4JUaEhKWJLWOgI14jC0F4ptCU0DMWwXi
mizj6iLoiRdZOTHXVZl+Y4J0zNGTUyzunMjXM567LqdM8oBd6C2nxfRS6awF24F01MmOaacOmsHMeo2jyuB
Ca70ZVZP9BfZ5Xq5IjsnLrRybgKuB7D1/7LsU2qx/mqXY46mlJbW7CFNA/wWXFbBBdsI27KxUhyXXVzkl1O
V04haLcEU7gzO28ESuG+knCMQYuO7VE0B5A/07VdWKVZOXWOvKLcsaAm6anjn2nbKcN1lVnOq3PkOxx1do9
rzpScWmedyHPFWddTcyAx4Y2rdbqcjtzc7car8Yra5URbkoZvcYm1l27JEmunzcp5PgqWtTY752kp5Ii84b
lb3KjLed5BlMVYqbAKqS4c6oImCGjmaRnM9HHPZxGt5FqdEXydj1EwLtiHE5S/XZq4KLOjJO4oC96Rv103a
7J81DpwwSZupUnd3aIORk2UqnmBJGyZK80DUoJmskJtWcFZIVnhso2ELhTqaWBeAG2IoK3hoo2I24I2pzJ6
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mJefBtNWl5hnlgFnXZU3LUbR5cbB5WPfIXinKuhw5rsI4V+6W2NjaylFboqJGTKgdAUOGrbGBbfHak/KSa0
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q8Lcw3311xMF5s1dlUT5BpeJ9qbUh/lGuXoWFKb75oDC8yakjM3rijXi7brslzeOt01PG6LTsPhLx0FhjRq
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ogJQxXEhumgvFWbPUPdmzcmrDC1wFLkg4K6vWi2HHOfJz42pz81niuB+sUa8UW0N0soKTVD7vyS9Ctt1Bc/
Jcc0yE8s6muLlNEUWgCsS5xqvu+Cz4XDveNaoAFAq8BXUaLM7pKMg1TYamcNxolUgEEDmgU268Nmqw70pYV
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7QExHghHzhzYMhocnVfrszjcpif5e6orT27UJEKqyEbX0qOGU7dyiiMv15GXByy8xxnnqLPh7CjyKuNSYXe
KOZ4piP04eWun4V5SDhRXF4QZoMhb6HIiWtcppzWlr3jUwR1Ny6mjuNpaV22dAIue0SBG80l19qRx6oSfym
SXtxBKVP05vIV872iwy9JRrcWNcjlzQSI9LEsIDtFijsrya2GNdZfD22ye6NqYWsegWkStyxFw9aT8GXmYF
hxRjtEOVrUXlqyEME5d5aIhkzDEowhxP/8k1ZUlb7k8yNOA4Z+KZJM4mFsFZ1Nz6qb4SIL4B4UFyXWyw0BU
qsGLqYgfOitKCc/mGQfxZsGq4tTdjjqZnWOph+8fp26N8ynMvA0YDrtqWnT6+A0z+TU7tfNPOP+EeOqCPVB
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7UHdx0rdmwEpddVbYkCqsn8ydM/YzjIQSiQ/kniHlWdeaQbI0Fb0nveSzPTMk5rUPZjBrlDZZXWn5XGFdXn
JtcYN5ltyK4AxEVkTv/Ul5tXAZvcDmDEMcwfHiVo25aMiYRHtsNplTHm9FBWaUY7aLRsCGrgIVfHbnGCpUR
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9uRezS1r1NsNk5y4FVknpdzSR1AmdbklNBnBId96ZsvCLZWuguV9pdxc2tSnY4SrDOGiGw2sJEWaKmKoeiD
k7iIFeLBU+J18txiLcxHbGWmqpWx9gBuKIcYggNMTdDLmufgTlA9+QMiRuUi33FduPr+FwzVElM8oDsWocj
KhpVtY4YbDTq1rB4rToX4zCL25MsKjWCNXBOk05xHy5rJ0yDENSOLHRgXKja5fk2WPcmn6/aoe5HlKq70nW
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```

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RGXbNiUtrYort3becOJmcnrSqEQsz2WT2jEpOSMvrGtm/fN501ktQtVUJXSiXt27n6s4ZQ26GrhIbs8pLbj
t747OXrZ0+/JXv4fdfe+9qVpW/dtOqja58Rm5Zfe+vQe264f9fsVV/E5Lx49/yl6X3nXjp61ghn9yvXlVX/
Zmr2Y8urFs7NHzw5y9Uz7+6lq56YoZ63DoSSPmZJBVEYtcsKDRPBSjtBLAMwmd67jxdi8zjbwW7aOUXaM/X
T5YPnrlSgJHnvvbbh9ypNzzOOa49rn1NX6k7OrOjOoVXBLlckhccGVSXEU5jVXPSgQdF9k61h9+vvHtBghB
gyBhnt6ma3d0vvPyBDVwMX92ffNO1hkfLmsisLax+a++zCCTeWZd0fNGLL+IKN/etPHbk8Jmv57NVr+8iRy
y8vKr/qzpHx49eUnFt454TLVl4x9g3tivnjZkIb84xvtTeZN9hgm85tOlNUcFBVB5MrKGLQoLQ0P08s+g6u
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Verification

After the Invoice is added, it shows in the Invoice Register.

NOTE:	Some of the validation done when an invoice is added via the UI, such as Invoice needs to be a PDF, does not apply when an invoice is added via API.

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Copy of kwt-prd-182-scus 12/09 01:43 UTC
CONTRACTS
MASTER AGREEMENTS
VENDOR CHANGE ORDERS
SUPPORTING DOCUMENTS
INVOICES
ACCRUALS / RECEIPTS
ACTION ITEMS
Actions
Clear all filters
ERP doc...
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Invoice t...
Record s...
Contract ...
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Vendor Change Order (Request)

Direction		From InEight Contract
Frequency		One time per vendor change order. Depending on the business process, many (>100) might be processed at the end of a financial period such as each month or they might be processed as they come in, resulting in a small number per day.
Trigger Methods		Manually triggered by user in UI.
Average Payload Size		One record per message to execute and publish a vendor change order
API Name		Not available through APIM.
InEight Contract	**Starting Version**	22.6
	Ending Version	

Configuration

The configuration information is entered via the InEight cloud platform UI. From the Main menu, go to Suite administration > **Application integrations** to add an entity to show the configuration options.

Configuration Option	Description	Example	Req.
Entity	Contract: vendor change order request	NA	Yes
URI	Full endpoint URL destination path for the external system where vendor change order requests are sent.	https://<address>/contractvendorchangeorderrequest	Yes

Username	Security credential for username expected by the receiving system.	InEightContractMgtIntegrations	No
Password	Security credential for password expected by the receiving system.	Password123	No

Fields

Depth	Name	Type	Precision[1]	Parent
1	ContractReference[2]	Number	10	
1	ProjectReference	String	200	
1	ProjectSourceSystemId	Number	10	
1	VendorChangeOrderSourceSystemId	Number	10	
1	VendorChangeOrderNumber	String	50	
1	LogToken	String	50	
1	VendorChangeOrderStatus	String	50	
1	Description	String	200	
1	VendorChangeOrderTypeReference	String	200	
1	EffectiveDate	String	10	
1	CreatedByReference	String	50	
1	CreatedDate	String	10	
1	MCREngineeringChangeNumber	String	50	
1	ScopeOfChange	String	500	
1	Comments	String	500	
1	DelayDaysDueToIssue	Number	10	
1	ResponsibleParty	String	50	
1	CustomTerm1	String	500	
1	CustomTerm2	String	500	
1	CustomTerm3	String	500	
1	CustomTerm4	String	500	
1	CustomTerm 5	String	500	
1	CustomTerm 6	String	500	
1	CustomTerm 7	String	500	
1	CustomTerm 8	String	500	
1	CustomTerm9	String	500	
1	CustomTerm 10	String	500	
1	AssociatedChangeItem	Array	NA	

Depth	Name	Type	Precision[1]	Parent
2	IssueId	Number	10	AssociatedChangeItem
2	IssueName	String	100	AssociatedChangeItem
2	PCOId	Number	10	AssociatedChangeItem
2	PCOName	String	100	AssociatedChangeItem
2	CCOId	Number	10	AssociatedChangeItem
2	CCOName	String	100	AssociatedChangeItem
2	Status	String	100	AssociatedChangeItem
2	ValueType	String	100	AssociatedChangeItem
2	PricingItem	String	100	AssociatedChangeItem
2	ContributedValue	Number	16,9	AssociatedChangeItem
1	AssociatedBackCharge	Array	NA	
2	BackChargeId	String	25	AssociatedBackCharge
2	BackChargeSourceSystemId	Number	10	AssociatedBackCharge
2	BackChargeName	String	100	AssociatedBackCharge
2	BackChargeDescription	String	500	AssociatedBackCharge
2	CostCenterReference	String	50	AssociatedBackCharge
2	CostItemReference	String	50	AssociatedBackCharge
2	BackChargeAmount	Number	16,5	AssociatedBackCharge
1	ContractDetail	Array	NA	
2	ContractReference	Number	10	ContractDetail
2	ContractDetailReference	Number	10	ContractDetail
2	ContractDetailSourceSystemId	Number	10	ContractDetail
2	ContractDetailType	String	50	ContractDetail
2	Description	String	250	ContractDetail
2	LongDescription	String	250	ContractDetail
2	IsLineUnDeleted	String	5	ContractDetail
2	IsNewLine	String	5	ContractDetail
2	MaterialReference	String	50	ContractDetail
2	MaterialGroupReference	String	50	ContractDetail
2	CreatedDate	String	10	ContractDetail
2	CreatedByReference	String	50	ContractDetail
2	Quantity	Number	16,5	ContractDetail
2	UpperLimit	Number	16,5	ContractDetail
2	LowerLimit	Number	16,5	ContractDetail

Depth	Name	Type	Precision[1]	Parent
2	UnitOfMeasureReference	String	50	ContractDetail
2	UOMId	Number	16,9	ContractDetail
2	VCOCurrentQuantity	Number	16,9	ContractDetail
2	VCOCurrentUnitPrice	Number	16,9	ContractDetail
2	VCOCurrentPer	Number	16,9	ContractDetail
2	VCOCurrentNetPrice	Number	16,9	ContractDetail
2	VCOAdjustedQuantity	Number	16,9	ContractDetail
2	VCOAdjustedUnitPrice	Number	16,9	ContractDetail
2	VCOAdjustedPer	Number	16,9	ContractDetail
2	VCOAdjustedNetPrice	Number	16,9	ContractDetail
2	VCORevisedQuantity	Number	16,9	ContractDetail
2	VCORevisedUnitPrice	Number	16,9	ContractDetail
2	VCORevisedPer	Number	16,9	ContractDetail
2	VCORevisedNetPrice	Number	16,9	ContractDetail
2	DeliveryDate	String	10	ContractDetail
2	OrderDeliveryTolerance	Number	16,5	ContractDetail
2	PlantReference	String	50	ContractDetail
2	StorageLocationReference	String	50	ContractDetail
2	DeletionIndicator	String	1	ContractDetail
2	DeliveryCompleteIndicator	String	1	ContractDetail
2	InvoicePlanIndicator	String	1	ContractDetail
2	MaterialCharacteristicReference	String	50	ContractDetail
2	MaterialCharacteristic	Array	NA	ContractDetail
3	MaterialCharacteristicType	String	50	MaterialCharacteristic
3	MaterialCharacteristicValue	String	50	MaterialCharacteristic
2	ShippingAddress	Array	NA	ContractDetail
3	StreetName	String	500	ShippingAddress
3	CityName	String	50	ShippingAddress
3	Region	String	50	ShippingAddress
3	CountryCode	String	50	ShippingAddress
3	PostalCode	String	50	ShippingAddress
3	TaxJurisdiction	String	50	ShippingAddress
2	AccountAssignmentCategory	String	3	ContractDetail
2	CDSSplitMethod	String	10	ContractDetail

Depth	Name	Type	Precision[1]	Parent
2	ContractDetailCostItem	Array	NA	ContractDetail
3	SplitByValue	Number	16,9	ContractDetailCostItem
3	AccountAssignmentLineNumber	Number	10	ContractDetailCostItem
3	CostItemReference	String	50	ContractDetailCostItem
3	CostItemSourceSystemId	Number	10	ContractDetailCostItem
3	AccountingLedgerReference	String	50	ContractDetailCostItem
3	CreatedByReference	String	50	ContractDetailCostItem
3	DeletionIndicator	String	1	ContractDetailCostItem
3	CostCenterReference	String	50	ContractDetailCostItem
2	Comments	String	500	ContractDetail
2	RetentionPercent	Number	16,9	ContractDetail
2	FairMarketValue	String	50	ContractDetail
2	EquipmentPrefix	String	50	ContractDetail
2	RentalType	String	50	ContractDetail
2	NAICSCode	String	50	ContractDetail
2	WBSCategoryReference	String	50	ContractDetail
2	NoFurtherInvoiceIndicator	String	1	ContractDetail
2	GoodsReceiptStatus	String	1	ContractDetail
2	CustomField1	String	500	ContractDetail
2	CustomField2	String	500	ContractDetail
2	CustomField3	String	500	ContractDetail
2	CustomField4	String	500	ContractDetail
2	CustomField5	String	500	ContractDetail
2	CountryOfOrigin	String	50	ContractDetail
2	HarmonizedTariffSchedule	String	50	ContractDetail
2	ValidThroughDate	String	10	ContractDetail
2	CustomList1	String	500	ContractDetail
2	CustomList2	String	500	ContractDetail
2	DiversityParticipationPercent	Number	16,5	ContractDetail
2	DiversityParticipationValue	Number	16,5	ContractDetail
2	TaxTotal	Number	16,5	ContractDetail
2	TaxTotalProjectCurrency	Number	16,5	ContractDetail
2	IsTaxable	String	10	ContractDetail
2	ContractDetailEstimatedTax	Array		ContractDetail

Depth	Name	Type	Precision[1]	Parent
3	TaxCode	String	50	ContractDetailEstimatedTax
3	Description	String	200	ContractDetailEstimatedTax
3	TaxAmount	Number	16,5	ContractDetailEstimatedTax
3	TaxRate	Number	16,5	ContractDetailEstimatedTax
3	CurrencyReference	String	10	ContractDetailEstimatedTax
3	TaxAmountProjectCurrency	Number	16,5	ContractDetailEstimatedTax
3	ProjectCurrencyReference	String	10	ContractDetailEstimatedTax
3	SourceSystemId	String	50	ContractDetailEstimatedTax
3	IncludeInCommittedCost	String	5	ContractDetailEstimatedTax

1 - For numeric data types, precision is given as total digits allowed in the field and the number of those digits that exist to the right of the decimal. For example, 16,5 represents a total of 16-digits allowed in the field with 5 of those digits existing as decimal places and 11 digits on the left of the decimal. The decimal is not counted as a digit.

2 - Natural Key field.

Field Descriptions

Name	Description	Example
ContractReference	Unique identifier of the contract and the purchase order number. The starting and ending values of the numbering sequence might be defined for different contract types per customer. This value shows in the UI in Project > Contract > Contract register > Contract ID.	7300000016
ProjectReference	Display ID of the project where the contract is coming from. This value shows in the UI in Project > Project details > Project ID.	103361
ProjectSourceSystemId	Project internal ID that is a unique number maintained in the InEight cloud platform. This is not shown in the UI.	123
VendorChangeOrderSourceSystemId	Vendor Change Order internal ID that is a unique number maintained in the InEight cloud platform. This is not shown in the UI.	1123456
VendorChangeOrderNumber	Vendor Change Order Display ID. In the InEight cloud platform it shows as VCO ID. This value shows in the UI in Project > Contract > Vendor change order details > Vendor change order ID.	001
LogToken	Unique token ID used to provide logging information for the integration in the InEight cloud platform. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP log token ID.	f6b2ac31-2ea4-4256-97e7-95ee196ce521

Name	Description	Example
VendorChangeOrderStatus	Status of the vendor change order as shown in InEight cloud platform. This value shows in the UI in Project > Contract > Vendor change order details > Vendor CO status.	Out for Signature
Description	Description for the vendor change order as shown in InEight cloud platform. This value shows in the UI in Project > Contract > Vendor change order details > Description.	Test Vendor Change Order for marketing
VendorChangeOrderTypeReference	Must match a valid vendor change order type. These are defined in InEight Contract Organization settings. This value shows in the UI in Project > Contract > Vendor change order details > Vendor change order type.	Design Error
VendorChangeOrderAmount	Total vendor change order amount as shown in InEight cloud platform. This value shows in the UI in Project > Contract > Vendor change order details > Vendor change order amount.	40000.75
EffectiveDate	Value of data in Effective date field defined in InEight Contract for that vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Effective date.	01/01/2022
CreatedByReference	Display ID of the user that created the contract. This value shows in the UI in Project > Contract > Vendor change order register > Created by.	89723947
CreatedDate	Date that the contract was created using the format mm/dd/yyyy. This value shows in the UI in Project > Contract > Vendor change order register > Created on.	12/18/2017
MCREngineeringChangeNumber	Value of data in MCREngineeringChangeNumber field defined in InEight Contract for that vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > MCR/Engineering change number.	5560789536
ScopeOfChange	Value of data in ScopeOfChange field defined in InEight Contract for that vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Scope of change.	Test scope
Comments	Free-form text field about the line item entered via the Contracts user interface. This value shows in the UI in Project > Contract > Vendor change order details > Comments.	Test comments

Name	Description	Example
DelayDaysDueToIssue	Value of data in DelayDaysDueToIssue field defined in InEight Contract for that vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Delay days due to issue.	100
ResponsibleParty	Value of data in ResponsibleParty field defined in InEight Contract for that vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Responsible party.	Sub-Contractor
CustomTerm1	Value (if any) of data in Custom Term 1 defined in InEight Contract for that vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Custom term 1.	
CustomTerm2	Value (if any) of data in Custom Term 2 defined in InEight Contract for that vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Custom term 2.	
CustomTerm3	Value (if any) of data in Custom Term 3 defined in InEight Contract for that vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Custom term 3.	
CustomTerm4	Value (if any) of data in Custom Term 4 defined in InEight Contract for that vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Custom term 4.	
CustomTerm 5	Value (if any) of data in Custom Term 5 defined in InEight Contract for that vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Custom term 5.	
CustomTerm 6	Value (if any) of data in Custom Term 6 defined in InEight Contract for that vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Custom term 6.	
CustomTerm 7	Value (if any) of data in Custom Term 7 defined in InEight Contract for that vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Custom term 7.	
CustomTerm 8	Value (if any) of data in Custom Term 8 defined in InEight Contract for that vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Custom term 8.	
CustomTerm9	Value (if any) of data in Custom Term 9 defined in InEight Contract for that vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Custom term 9.	

Name	Description	Example
CustomTerm 10	Value (if any) of data in Custom Term 10 defined in InEight Contract for that vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Custom term 10.	
AssociatedChangeItem	Array header for associated items from the Change application. Each set of fields in the associated change item section of the JSON represents a change item in the vendor change order. This section can repeat as needed to cover all Change items in the vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Associated Change items.	
IssueId	Issue ID for the issue added to vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Associated change items > Issue ID – Name.	123
IssueName	Issue name for the issue added to vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Associated change items > Issue ID – Name.	Test Issue
PCOId	PCO ID if the PCO is added as Change item to vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Associated change items > PCO ID – Name.	
PCOName	PCO name if the PCO is added as Change item to vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Associated change items > PCO ID – Name.	
CCOId	CCO ID if the PCO is added as Change item to vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Associated change items > CCO ID – Name.	
CCOName	CCO name if the PCO is added as Change item to vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Associated change items > CCO ID – Name.	
Status	Status of the Change item added to vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Associated change items > Status.	executed

Name	Description	Example
ValueType	Value type of the Change item added to vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Associated change items > Value type.	ROM
PricingItem	Pricing item associated to the Change item added to vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Associated change items > Pricing item.	
ContributedValue	Total contributed value of the Change item towards vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Associated change items > Contributed value.	
AssociatedBackCharge	Array header for back charge fields. Each set of fields in the back charge section of the JSON represents a back charge in the vendor change order. This section can repeat as needed to cover all back charges in the vendor change order.	
BackChargeId	Unique ID for the back charge added to vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Back charges > Back charge ID.	31313452
BackChargeSourceSystemId	Display ID for the back charge added to vendor change order. This is not shown in the UI.	002
BackChargeName	Name of the back charge added to vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Back charges > Description	
BackChargeDescription	Description of the back charge added to vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Back charges > Description.	
CostCenterReference	Cost center if any are added to the back charge added to vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Back charges > Cost center.	
CostItemReference	WBS code if any are added to the back charge added to vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Back charges > WBS code.	

Name	Description	Example
BackChargeAmount	Amount of the back charge added to vendor change order. This value shows in the UI in Project > Contract > Vendor change order details > Back charges > Amount.	
ContractDetail	Array header for contract detail fields. Each set of fields in the contract detail section of the JSON represents a line item in the purchase order. This section can repeat as needed to cover all lines in the purchase order. This value shows in the UI in Project > Contract > Vendor change order details > Line items.	
ContractDetailReference	Unique reference to the line item of the contract. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item ID.	001
ContractDetailSourceSystemId	Line item internal ID that is unique across all the contracts maintained in the InEight cloud platform. This is not shown in the UI.	1
ContractDetailType	Type of detail represented by the line item of the contract. The following values are sent: • Service • Limit • Material • Credit **NOTE:** For Microsoft Dynamics, credit and limit line types cannot be used. Credits must be handled as a separate PO. For limit operations, a material line item with quantity that matches the price ($1 per quantity) that can be decremented as needed. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Type.	Material
Description	Description of the line item. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Description.	Credit return
LongDescription	Detailed description of the line item field captured in in InEight Contract UI. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Long description.	
MaterialReference	Unique identifier of a material associated to the line item (if present). The value comes from the Display ID of the material provided by an external system. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Material ID.	000002433000

Name	Description	Example
MaterialGroupReference	Unique identifier of a material group associated to the line item (if present). The value comes from the Display ID of the material group provided by an external system. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Product Category.	3010000
CreatedByReference	Display ID of the user that created the line item in the contract. This is not shown in the UI.	90239802
UpperLimit	Upper limit value for Limit line item type. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Upper limit.	15000
LowerLimit	Lower limit value for Limit line item type. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Lower limit.	10000
Quantity	Quantity of the specific item being purchased in the line item. **NOTE:** Negative numbers are not allowed. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Current line value Quantity.	715388.00000
UnitOfMeasureReference	Unit of measure represented by quantity. This must match a valid UOMSourceSystemId in the InEight cloud platform master data. This value shows in the UI in Project > Contract > Vendor change order details > Line items > UoM.	EA
UOMId	Internal unique ID for UOM used in line item. This is not shown in the UI.	1234
DeliveryDate	Expected delivery date for received goods using the date format mm/dd/yyyy. This field is mapped to the Valid from field for the contract line item. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Valid from.	01/10/2022
OrderDeliveryTolerance	Allowable tolerance percentage for delivered goods. Currently, a value of 15% will always be sent for this field. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Overdelivery tolerance (%).	15.0
PlantReference	Plant associated to the project for which the contract is created. This value shows in the UI in Project > Project settings > Contract > Contracts > Project ERP attributes > Plant.	0161

Name	Description	Example
StorageLocationReference	Storage location associated to the contract. This value shows in the UI in Project > Contract > Contract details > Storage location.	0001
DeletionIndicator	Indicator of whether the line item has been deleted from the contract. A value of X indicates that the line item has been deleted. This is not shown in the UI.	X
DeliveryCompleteIndicator	A value of X indicates that all expected deliveries for a contract have been completed. This is not shown in the UI.	X
InvoicePlanIndicator	Indicator of whether an Invoice Plan document must be created. A value of X indicates that there will not be any goods receipt for this contract.	X
MaterialCharacteristicReference	Characteristic type of the material in the line item. The value in this field comes from the Source System ID of the material characteristic provided by an external system. A value is only sent in this field if a value was provided in the PO response and the outbound message is being processed after a change to the contract.	1123423
MaterialCharacteristic	Array header for material information. Each field in this section can be repeated as needed to include all information about the material being purchased.	
MaterialCharacteristicType	Material characteristic types associated to the material selected in the line item.	Pipe Size
MaterialCharacteristicValue	Value of the material characteristic type.	3
ShippingAddress	Array header for shipping address information. This value shows in the UI in Project > Contract > Contract details > Delivery address.	
StreetName	Full street address for shipping information. This value shows in the UI in Project > Contract > Contract details > Delivery address.	16203 Manchester Way
CityName	Name of the city in shipping address information. This value shows in the UI in Project > Contract > Contract details > Delivery address.	Manchester
Region	State, region, or province for shipping address information. This value shows in the UI in Project > Contract > Contract details > Delivery address.	CO
CountryCode	ISO code of the country for shipping address information. This value shows in the UI in Project > Contract > Contract details > Delivery address.	US

Name	Description	Example
PostalCode	Postal code for shipping address information. This value shows in the UI in Project > Contract > Contract details > Delivery address.	85200
TaxJurisdiction	Tax jurisdiction of the shipping address. This value shows in the UI in Project > Project settings > Contract > Contracts > Delivery address > Tax jurisdiction code.	0000001234
AccountAssignmentCategory	Value of the account assignment category of the line item. The value sent in this field is based on user selection in field. Possible values are: • WBS • Cost Center This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Account assignment category.	WBS
CDSSplitMethod	If the contact line item is assigned to multiple cost items, this field determines the method of assigning values to each cost item, which can be: • Percentage • Value • Quantity This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Account assignment details Split type dropdown.	Percentage
ContractDetailCostItem	Array header for cost item association records. At least one set of records will be provided in this array. If the line item has not been split, the array will contain only one set. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Account assignment details.	
SplitByValue	If the line item has been split, this field will contain the value of the individual split associated to a cost item reference. The value in the field must be taken in conjunction with the CDS Split Method. For example, if the CDS Split Method is percentage and this field contains a value of 15, then 15% of the line item total should be applied to the associated cost item in this set of records. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Split type Value.	15
AccountAssignmentLineNumber	Sequential split number to which the cost item reference is associated.	1
CostItemReference	Unique reference to the cost item associated to the account assignment line number. This value shows in the UI in Project > Contract > VCO > Line Items > WBS.	103541.1109

Name	Description	Example
CostItemSourceSystemId	Cost item internal ID that is unique for all projects maintained in the InEight cloud platform. This is not shown in the UI.	1
CostCenterReference	Unique reference to the cost center associated to the line number. User has the option to choose between WBS line or cost center line. This value shows in the UI in Project > Contract > Contract details > Line items > Cost center.	4567
AccountingLedgerReference	General ledger (GL) account number associated to the cost item, if a specific GL account was selected in the line item. The values in this field are predefined by the customer. This value shows in the UI in Project > Contract > Vendor change order details > Line items > GL account.	540310
CreatedByReference	Display ID of the user that created the cost item association. This is not shown in the UI.	00169998
DeletionIndicator	Indicator of whether the cost item split association was soft deleted. A value of X indicates that the split association was soft deleted. This value shows in the UI in Project > Contract > Contract details > Line items > Line item Strikethrough.	X
Comments	Free-form text field about the line item entered via the Contracts user interface. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Comments.	This is a line item
RetentionPercent	Percentage of retention for the line item of the contract. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Retention.	10.00000
FairMarketValue	Value of the fair market value for the line item. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Assign equipment details > Fair market value	$1000.00
EquipmentPrefix	Value of the equipment prefix/type for the line item. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Assign equipment details > Equipment prefix/type.	This is equipment
RentalType	Value of the rental agreement for the line item if the contract is of the rental type. This is not shown in the UI.	Rent to Purchase

Name	Description	Example
NAICSCode	Value of the NAICS code for the line item. This is not shown in the UI.	1232.345.224445
WBSCategoryReference	Selection of the WBS category for the line item. • Consumable: WBS-C • Permanent: WBS-P • Rental: WBS-R The allowed options for this field can be configured per customer in contracts. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > WBS category.	WBS-C
NoFurtherInvoiceIndicator	A value of X will be sent when the contract has been closed and no further invoices are expected. This is not shown in the UI.	X
GoodsReceiptStatus	Indicator of whether a goods receipt record is expected for the PO. A value of X indicates that a goods receipt record is expected. This value shows in the UI in Project > Contract > Contract details > Line items > Goods Receipt.	X
CustomField1	Value (if any) of data in Custom Field 1 defined in InEight Contract. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Custom field 1.	
CustomField2	Value (if any) of data in Custom Field 2 defined in InEight Contract. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Custom field 2.	
CustomField3	Value (if any) of data in Custom Field 3 defined in InEight Contract. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Custom field 3.	
CustomField4	Value (if any) of data in Custom Field 4 defined in InEight Contract. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Custom field 4.	
CustomField5	Value (if any) of data in Custom Field 5 defined in InEight Contract. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Custom field 5.	

Name	Description	Example
CountryOfOrigin	Value (if any) of data in Country of origin field defined in InEight Contract. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Country of origin.	USA
HarmonizedTariffSchedule	Do not use; Obsolete field.	
ValidThroughDate	Value (if any) of data in Valid through field defined in InEight Contract. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Valid through.	01/21/2021
CustomList1	Value (if any) of data in Custom list 1 field defined in InEight Contract. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Custom list 1.	
CustomList2	Value (if any) of data in Custom list 2 field defined in InEight Contract. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Custom list 2.	
DiversityParticipationPercent	Value (if any) of data in Diversity participation percent field defined in InEight Contract. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Diversity participation Percentage %.	15
DiversityParticipationValue	Value (if any) of data in Diversity participation value field defined in InEight Contract. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Diversity participation Value.	200
IsTaxable	This field indicates whether the line item in InEight is marked as taxabke or non-taxable. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Is taxable.	True
ContractDetailTaxAmount	Indicates the line item estimated tax amount. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then estimated tax amount is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the estimated tax is based on it. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Tax amount.	10000

Name	Description	Example
TaxAmountProjectCurrency	Indicates the line item estimated tax amount in project currency. Exchange rate is based on exchange rates stored in Platform project details. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then estimated tax amount is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the estimated tax is based on it. This is not shown in the UI.	11000
ContractDetailEstimatedTax	Array of tax break out for the estimated tax. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then estimated tax break out is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the estimated tax break out is based on it. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Tax details.	110000
TaxCode	Tax code value for the tax break out. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then tax code is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the tax code is based on it. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Tax details > Description.	GST/HST
Description	Tax description value for the tax break out. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then tax description is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the tax description is based on it. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Tax details Description.	This is GST related tax
TaxAmount	Tax amount for each tax code. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Tax details > Value.	

Name	Description	Example
TaxRate	Tax rate for each tax code. If the contract is published for the first time or contract is published but there are no taxes received from the external ERP, then tax rate is based on project settings. If the line item is already published and there are tax items that have already been received from the external ERP, then the tax rate is based on it. This value shows in the UI in Project > Contract > Vendor change order details > Line items > Line item slideout > Tax details > Rate %.	12
CurrencyReference	Contract currency code of the TaxAmount field. This value shows in the UI in Project > Contract > Contract details > Contract currency.	USD
TaxAmountProjectCurrency	Tax amount for each tax code in project currency. This is not shown in the UI.	1000
ProjectCurrencyReference	Project currency code of the TaxAmount field. This value shows in the UI in Project > Project details > Base currency.	CAD
SourceSystemId	Uniue ID for each tax break up. This field can be empty (null). This is not shown in the UI.	GST.1000.USD
IncludeInCommittedCost	Indicates if the tax can be included in committed cost calculation. This is based on project setting value stored for that tax code. This value shows in the UI in Project > Project settings > Contract > Configurations > Tax settings > Include in commiuted cost.	false

Sample JSON


```
[{
"VendorContractChangeOrder": {
   "ContractReference": 7200010058,
   "ProjectReference": "2019-EtoE-2",
   "ProjectSourceSystemId": 93,
   "VendorChangeOrderSourceSystemId": 193,
   "VendorChangeOrderNumber": 293,
   "LogToken": "3dfc63ac-238f-47f0-a07f-3fed02db8562",
   "VendorChangeOrderStatus": "Executed",
   "Description": "Test Contract Description",
   "VendorChangeOrderTypeReference": "ABCD",
   "VendorChangeOrderAmount": 1000,
   "EffectiveDate": "04/21/2020",
   "CreatedDate": "04/21/2020",
   "CreatedbyReference": "00233076",
   "MCREngineeringChangeNumber": "1",
   "ScopeOfChange": "Bulk Commodities",
```

```
   "Comments": "0012",
   "DelayDaysDueToIssue": 100.00,
   "ResponsibleParty ": "Contractor",
   "CustomTerm1": "",
   "CustomTerm2": "",
   "CustomTerm3": "",
   "CustomTerm4": "",
   "CustomTerm5": "",
   "CustomTerm6": "",
   "CustomTerm7": "",
   "CustomTerm8": "",
   "CustomTerm9": "",
   "CustomTerm10": "",
   "AssociatedChangeItem": [
           {
              "IssueId": 1234,
              "IssueName": "Lone Tree",
              "PCOId": 3456,
              "PCOName": "US",
              "CCOId": 80124,
              "CCOName": "Test CCO",
              "Status": "Approved",
              "ValueType": "ROM",
              "PricingItem": "1234",
              "ContributedValue": 4000
           }
        ],
   "AssociatedBackCharge": [
           {
              "BackChargeId": "0001",
              "BackChargeSourceSystemId": 408,
              "BackChargeName": "Green Tree",
              "BackChargeDescription": "Green Tree",
              "CostCenterReference": "US123456",
              "CostItemReference": "80124",
              "BackChargeAmount": 4000
           }
        ],
   "ContractDetail": [
      {
         "MaterialCharacteristicReference": "",
         "IsLineUnDeleted": "false",
         "IsNewLine": "false",
         "ContractReference": 7200010058,
         "ContractDetailReference": "005",
         "ContractDetailSourceSystemId": 408,
         "ContractDetailType": "Service",
         "Description": "Plumbing and HVAC",
         "MaterialReference": "",
         "MaterialGroupReference": "23200000",
         "CreatedDate": "04/21/2020",
         "CreatedbyReference": "00233076",
         "UpperLimit": "",
         "LowerLimit": "",
         "UnitOfMeasureReference": "SF",
         "UOMId": 1,
         "VCOCurrentQuantity": 4000,
```

```
        "VCOCurrentUnitPrice": 2,
        "VCOCurrentPer": 4,
        "VCOCurrentNetPrice": 2000,
        "VCOAdjustedQuantity": 4000,
        "VCOAdjustedUnitPrice": 2,
        "VCOAdjustedPer": 4,
        "VCOAdjustedNetPrice": 2000,
        "VCORevisedQuantity": 4000,
        "VCORevisedUnitPrice": 2,
        "VCORevisedPer": 4,
        "VCORevisedNetPrice": 2000,
        "TaxTotal": 104,
        "TaxTotalProjectCurrency": 104,
        "ContractDetailEstimatedTax": [
           {
              "TaxCode": "GST",
              "Description": "Goods and Services Tax",
              "TaxAmount": "30",
              "TaxRate": "15",
              "CurrencyReference": "USD",
              "TaxAmountProjectCurrency": "27",
              "ProjectCurrencyReference": "USD",
              "IncludeInComittedCost": "true"
           },
           {
              "TaxCode": "PST",
              "Description": "Professional Services Tax",
              "TaxAmount": "18",
              "TaxRate": "9",
              "CurrencyReference": "USD",
              "TaxAmountProjectCurrency": "16.2",
              "ProjectCurrencyReference": "USD",
              "IncludeInComittedCost": "false"
           }
        ],
        "DeliveryDate": "04/21/2020",
        "OrderDeliveryTolerance": 0.0,
        "PlantReference": "1021",
        "StorageLocationReference": "1",
        "DeletionIndicator": "",
        "DeliveryCompleteIndicator": "",
        "InvoicePlanIndicator": "",
        "MaterialCharacteristic": [],
        "ShippingAddress": [
           {
              "StreetName": "Trainstation Circle ",
              "CityName": "Lone Tree",
              "Region": "CO",
              "CountryCode": "US",
              "PostalCode": "80124",
              "TaxJurisdiction": ""
           }
        ],
        "AccountAssignmentCategory": "WBS",
        "CDSSplitMethod": "",
        "ContractDetailCostItem": [
           {
```

```
                "SplitByValue": "",
                "AccountAssignmentLineNumber": 1,
                "CostItemReference": "2019-EtoE-2.1260",
                "CostItemSourceSystemId": 20724,
                "AccountingLedgerReference": "530110",
                "CreatedbyReference": "00233076",
                "DeletionIndicator": "",
                "CostCenterReference": ""
            }
        ],
        "Comments": "",
        "RetentionPercent": 5.0,
        "FairMarketValue": "",
        "EquipmentPrefix": "",
        "EquipmentTypeId": "",
        "RentalType": "",
        "NAICScode": "",
        "WBSCategoryReference": "WBS-P",
        "NoFurtherInvoiceIndicator": "",
        "GoodsReceiptStatus": "X",
        "CustomField1": "",
        "CustomField2": "",
        "CustomField3": "",
        "CustomField4": "",
        "CustomField5": "",
        "LongDescription": "",
        "CountryOfOrigin": "USA",
        "HarmonizedTariffSchedule": "Test 123",
        "ValidThroughDate": "09/21/2020",
        "CustomList1": "",
        "CustomList2": "",
        "IsTaxable”: "true",
        "DiversityParticipationPercent": 5.0,
        "DiversityParticipationValue": 50.0
    }
  ]
}}]
```


Verification

After the vendor change order is published, check the data in the ERP system to verify that it matches the Contract Sync Log data. The InEight Contract sync log shows Sent in the ERP Status column.

Document	Publish date	Publish time	Published by	ERP status	ERP log token Id	Ariba status	Ariba message
Vendor Change Order 0001	06/16/2022	12:05:12	sandip pal@ineight	Sent	2b932597-23c7-40c4-97d3-42fcd8870...	Failure	
Contract 7400005206	06/16/2022	12:05:11	sandip pal@ineight	Success	1fb0c264-96d9-4692-81cb-5569a8a09...	Sent to ARIBA	
Contract 7400005206	06/16/2022	11:50:08	sandip pal@ineight	Success	f0ae8826-1c2d-43cc-9f22-16cf6cb87e29	Sent to ARIBA	
Contract receipt form 0002	06/13/2022	15:17:21	sandip pal@ineight	Success	2fae7e61-4b52-43e4-84b7-da5db5d65...	Failure	
Contract receipt form 0001	06/13/2022	15:14:38	sandip pal@ineight	Success	3e88e44e-db9d-4e4e-b333-b5f933757e...	Failure	
Contract 7400005206	06/13/2022	15:13:15	sandip pal@ineight	Success	362401f3-7c0b-4076-a49c-98a7ce2609...	Sent to ARIBA	

Payment Form Request

This integration allows a customer to create a payment form along with invoice, line-item allocation, back charge, and SOV in Contract.

Direction		To InEight Contract.
Frequency		Determined by external system.
Trigger Method(s)		Determined by external system.
Average Payload Size		Entire entity – Tens of records.
API Name		PaymentFormRequest
InEight Contract	**Starting Version**	24.11
	Ending Version	

Business Flow

Using this API, the customer is able to create and update payment forms in InEight Contract. The customer can also add a payment form, add an invoice to payment form, allocate invoice amount to line items, assign back charges to a payment form, and assign schedule of values to a payment form.

Fields

Depth	Name	Type	Precision[1]	Parent
1	LogToken	String	50	
1	PayRequestReference	String	10	
1	ContractReference[2]	String	10	
1	ProgressEstimateNumber	String	50	
1	BillingPeriod	String	50	
1	ProjectReference	String	200	
1	Description	String	200	
1	CreatedBy	String	50	
1	WorkCompletedFromDate	String	50	

1	WorkCompletedThroughDate	String	50	
1	Comments	String	500	
1	IsActive	String	5	
1	PayRequestInvoice	Array	NA	
2	InvoiceNumber	String	50	PayRequestInvoice
2	InvoiceDate	String	Date	PayRequestInvoice
2	InvoiceAmount	Decimal	16,5	PayRequestInvoice
2	RetentionReleaseAmount	Decimal	16,5	PayRequestInvoice
2	InvoiceStatus	String	50	PayRequestInvoice
2	InvoiceTax	Decimal	16,5	PayRequestInvoice
2	RecordId	String	50	PayRequestInvoice
2	SourceSystemId	String	50	PayRequestInvoice
2	SourceSystemName	String	50	PayRequestInvoice
2	EstimatedPostingDate	String	Date	PayRequestInvoice
2	InvoiceURL	String	500	PayRequestInvoice
2	InvoiceTaxDetail	Array	NA	PayRequestInvoice
3	TaxType	String	50	PayRequestInvoice
3	TaxAmount	Decimal	16,5	PayRequestInvoice
2	InvoiceDocument	Array	NA	PayRequestInvoice
3	DocumentBase64	String	MAX	InvoiceDocument
3	ContentType	String	50	InvoiceDocument
3	FileName	String	50	InvoiceDocument
1	PaymentRequestContractDetail	Array	NA	
2	ContractDetailReference	String	10	PaymentRequestContractDetail
2	ContractDetailQuantity	Number	16,5	PaymentRequestContractDetail
2	ContractDetailAmount	Number	16,5	PaymentRequestContractDetail
2	ContractDetailRetentionAmount	Number	16,5	PaymentRequestContractDetail
2	CreditIndicator	String	5	PaymentRequestContractDetail
2	IsActive	String	5	PaymentRequestContractDetail
1	BackChargeDetail	Array	NA	
2	BackchargeReference	String	10	BackChargeDetail
2	AccountingLedger	String	50	BackChargeDetail
2	IsActive	String	5	BackChargeDetail
1	PaymentRequestContractScheduleOfValue	Array	NA	

2	ContractScheduleOfValueReference	String	10	PaymentRequestContractSchedule OfValue
2	ContractScheduleOfValueQuantity	Number	16,5	PaymentRequestContractSchedule OfValue
2	ContractScheduleOfValueAmount	Number	16,5	PaymentRequestContractSchedule OfValue
2	IsActive	String	5	PaymentRequestContractSchedule OfValue

1 - For numeric data types, precision is given as total digits allowed in the field and the number of those digits that exist to the right of the decimal.
2 - Natural Key field.

Field Descriptions

Name	Description	Example
LogToken	Unique GUID that is provided for external systems to use when responding to confirm the payment request or to send a status update on the payment. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP log token ID.	0907cc42-a77a-44c0-ab95-0bc4f510ce7b
PayRequestReference	Unique identifier of the payment request for the contract in the request message This value shows in the UI in Project > Contract > Payment form details > Payment form ID.	0001
ContractReference	Unique identifier of the contract. This value shows in the UI in Project > Project settings > Contract > Contract register > Contract ID.	4776444644
ProgressEstimateNumber	If tracking the subcontract against deliverables of a primary contract, a progress estimate number can be provided that represents a deliverable stage of the primary contract. This value shows in the UI in Project > Contract > Payment form details > Progress estimate number.	3477354
BillingPeriod	Billing period in which payment is expected for the primary contract This value shows in the UI in Project > Contract > Contract details > Payment progress > Billing period.	07/2018
ProjectReference	The DisplayId of the Project where the contract is coming from. This value shows in the UI in Project > Project details > Project ID.	103361
Description	Description or title of the payment form. This value shows in the UI in Project > Contract > Payment form details > Description.	Pay App 01 - December 2020 (KU)

IsActive	This flag is used to make associated item inactivated (deleted). If the user sends IsActive = false, then the associated item will be inactivated (deleted). The default value is set to true if the field is empty.	true
CreatedBy	User display ID or email address of the person that created the payment form. The User display id or the email should match the data already exists in project suite This value shows in the UI in Project > Contract > Contract details > Payment forms > Created by.	0002670
WorkCompletedFromDate	Value of data in Work completed from date field in the UI for the payment form. This value shows in the UI in Project > Contract > Payment form details > Work completed from.	01/16/2009
WorkCompletedThroughDate	Value of data in Work completed through date field in the UI for the payment form. This value shows in the UI in Project > Contract > Payment form details > Work completed through.	02/20/2009
Comments	Value of data (if any) in Comments field in the UI for the payment form. This value shows in the UI in Project > Contract > Payment form details > Comments.	Test Payment Request
PayRequestInvoice	Array of invoice details. Records in this array can be repeated for the number of invoices associated with the pay request. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments.	
InvoiceNumber	Represents the invoice ID of the invoice. This invoice number shows in the Invoice Register after it is added to InEight Contract. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Invoice number.	12456ABC
InvoiceStatus	Indicates status of the invoice as stored in an external system. This shows in the Invoice Register and Payment Request Invoice tab in InEight Contract. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Record status.	Externally Sent
InvoiceDate	Date shown on the vendor's invoice. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Invoice date.	10/12/2024
EstimatedPostingDate	This is estimated posting date for the invoice. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Estimated posting date.	
InvoiceAmount	Amount specified in the invoice. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Invoice amount.	123456.78
RetentionReleaseAmount	If the Payment form has retention release invoices, then this will have the value This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Retention Release	1234.56

InvoiceTax	Tax amount for the invoice. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Total tax.	
RecordId	Unique record ID for the invoice as stored in external system. This ID shows in the Invoice Register and Payment Request Invoice tab in InEight Contract. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Record ID.	23456
SourceSystemId	Unique invoice document ID stored in the external system. This is not shown in the UI.	External123
SourceSystemName	Name of the system from which the invoice is posted. This is not shown in the UI.	External234
InvoiceURL	Link to the invoice. This can be any link accessible by external system. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > File/link.	Abc.com/abc,pdf
InvoiceTaxDetail	This array is a breakdown of the invoice tax. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Total tax Hover over.	
TaxType	Should match the tax settings stored for the project in InEight Contract project settings. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Total tax Hover over.	US Tax
TaxAmount	Tax amount for that tax type. This value shows in the UI in Project > Contract > Payment form details > Invoice attachments > Total tax Hover over.	123
InvoiceDocument	Array of actual invoices (base64 encoded) associated to that payment request. Records in this array can be repeated for the number of invoices associated with the pay request. This value shows in the UI in Project > Contract > Payment form details > invoice attachment.	
DocumentBase64	This field indicates the base64 encoded string of the document user wanted to send. InEiight will decode the string, convert that to actual file and store in InEight Project suite. Once uploaded, user should be able to download the file in InEight project suite.	Please see sample JSON
ContentType	This field indicates the file type which is being sent as base64 encoded file. some example are "application/pdf", "application/doc" etc.	application/pdf
FileName	This field indicates the file name that will be shown in the InEight project suite once the base64 encoded file is uploaded.	Abc.pdf
PaymentRequestContractDetail	Array of contract line items added to payment request. Records in this array can be repeated for the number of line items associated with the pay request. This value shows in the UI in Project > Contract > Payment form details > Line items.	

ContractDetailReference	Unique reference to the line item of the contract. This value shows in the UI in Project > Contract > Payment form details > Line items > Line item ID.	001
ContractDetailQuantity	Quantity of the line item allocated towards Payment form This value shows in the UI in Project > Contract > Payment form details > Line items > This submission > Quantity.	1000
ContractDetailAmount	Amount of the line item allocated towards Payment form This value shows in the UI in Project > Contract > Payment form details > Line items > This submission > Amount.	10000
ContractDetailRetentionAmount	Retention release amount in the payment form for this line. This value shows in the UI in Project > Contract > Payment form details > Line items >This submission > Retention release.	100
CreditIndicator	This field indicates whether the Line-Item allocation amount (ContractDetailAmount) is a negative value (true) or positive value (false). Acceptable values are: • True • False	false
IsActive	This flag is used to make associated item in-activated (deleted). If the user sends IsActive = false, then the associated item will be in-activated (deleted). The default value is set to true if the field is empty.	true
BackChargeDetail	Array of back charges associated to that payment request. Records in this array can be repeated for the number of back charges associated with the pay request. This value shows in the UI in Project > Contract > Payment form details > Back charges.	
BackchargeReference	Unique reference of the back charge. This value shows in the UI in Project > Contract > Payment form details > Back charge ID.	001
AccountingLedger	General ledger (GL) account number associated to the cost item, if a specific GL account was selected in the Back Charge. The values in this field are predefined by the customer. This value shows in the UI in Project > Contract > Payment form details > Back charges GL account.	502133
IsActive	This flag is used to make associated item in-activated (deleted). If the user sends IsActive = false, then the associated item will be in-activated (deleted). The default value is set to true if the field is empty.	true
PaymentRequestContractSchedule OfValue	Array of schedule of values associated to that payment request. Records in this array can be repeated for the number of schedule of values associated with the pay request. This value shows in the UI in Project > Contract > Payment form details > schedule of values.	

ContractScheduleOfValueReference	Must match the Display Id field from the Contract Schedule of Value. This value shows in the UI in Project > Contract > Payment form details > schedule of values>schedule line item id	1
ContractScheduleOfValueQuantity	The quantity of the schedule of value allocated to the Payment form This value shows in the UI in Project > Contract > Payment form details > schedule of values>This submission>Quantity	10
ContractScheduleOfValueAmount	The amount of the schedule of value allocated to the Payment form This value shows in the UI in Project > Contract > Payment form details > schedule of values> This submission> Value	100
IsActive	This flag is used to make associated item in-activated (deleted). If the user sends IsActive = false, then the associated item will be in-activated (deleted). The default value is set to true if the field is empty.	true

Error Messages

The following error messages are generated by the InEight cloud platform and products for this integration. Errors in the table below are distinguished by the process that checks for the error.

- API validation errors are basic record validations that will be returned to the API request message and cause the entire payload to fail.
- Entity logic errors are performed internally in the InEight cloud platform and products to look for specific business rule or data integrity issues record-by-record. Failures with entity logic validations only cause the individual record to cease processing and are written to internal logging.

Below errors can be seen when the user accesses the Locaton url from the Response Header for external purchase order message.

Response Headers


```
{
  "access-control-allow-credentials": "true",
  "access-control-allow-origin": "https://ineightsuite-qa-253.hds.ineight.com",
  "access-control-expose-headers": "Request-Context",
  "cache-control": "no-store, must-revalidate, no-cache",
  "content-length": "3",
  "content-type": "application/json; charset=utf-8",
  "date": "Fri, 23 May 2025 16:25:02 GMT",
  "expires": "Fri, 23 May 2025 16:25:02 GMT",
  "location": "https://ineightsuite-qa-253.hds.ineight.com/ExternalSystem//Messages/ImportStatus?requestId=99d64837-5c
  "pragma": "no-cache",
  "request-context": "appId=cid-v1:43092f52-46aa-4752-b49a-d67dd6bdee64",
  "retry-after": "10",
  "server": "Microsoft-IIS/10.0",
  "strict-transport-security": "max-age=31536000; includeSubDomains; preload",
  "x-powered-by": "ASP.NET",
  "x-requestid": "a93fface-d4f1-4e1e-88c6-3162ffd1111"
}
```


API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated	202	Successfully <<created/updated>> payment form <<Payment Form id>> for Project

			<<Project Display Id>> and Contract <<Contract Number>> and Invoices <<Invoice numbers>>
API Validation	Create by User not valid user	202	Invalid user for External payment request with log token
API Validation	Invalid Contract id	202	Invalid contract Id for external payment form request
Api Validation	Payment form not allowed for contract	202	The selected contract does not allow the creation of a payment form
API Validation	Contract is locked for publish	202	Changes cannot be completed since the contract <<Contract Number>> is locked for publishing.
Api Validation	Contract is a master agreement	202	Payment forms cannot be created for the contract type of Contract
API Validation	Invalid Payment Form Request Code	202	The contract <<Contract Number>> does not have a matching payment request code of <<payment request code sent in json>>. Please add a valid payment request code or leave it blank for a new payment form.
API Validation	Invalid Invoice details	202	Invalid invoice details for vendor invoice reference
API Validation	Duplicate invoice	202	The invoice number is duplicated for the contract
API Validation	Invalid invoice amount	202	Please add either the Invoice amount or the retention release amount
API Validation	Both invoice and retention release amount added for same invoice	202	Please ensure that only the Invoice amount or the retention release amount is added and not both
API Validation	Null payment Request description	202	Invalid description for the payment form
API Validation	Payment from is deleted	202	The selected payform <<payment request code>> is already deleted
API Validation	Payment from is submitted	202	The selected payform <<payment request code>> is already submitted
API Validation	NULL Work completed from/through	202	Both Work completed From/Through fields are mandatory.
API Validation	Invalid Work completed from/through	202	The Work completed from/through date is invalid for Payment form
API validation	Work completed from date more than Work completed Through value	202	Work completed From cannot be more than Work completed Through value
API Validation	Workflow started for Payment Form	202	Changes cannot be completed since the payment request code <<payment request code>> is in review for Contract
API Validation	Contract is already closed	202	Changes cannot be completed since the contract <<contract number>> is closed
API Validation	Invalid Line items sent in json	202	Following line items are invalid for this contract

API Validation	Invalid schedule of values sent in json	202	Following schedule of value items are invalid for this contract
API Validation	Invalid Back Charges sent in json	202	Invalid back charges for External payment request
API Validation	Generic error	202	Error saving external payforms

Sample JSON


```
{
      "LogToken": "",
      "ProjectReference": "104983",
      "ContractReference": "7200013965",
      "PayRequestReference": "0001",
      "ProgressEstimateNumber": "",
      "BillingPeriod": "",
      "Description": "TEST description",
      "CreatedBy": "john.doe@ineight.com",
      "WorkCompletedFromDate": "6/17/2024",
      "WorkCompletedThroughDate": "12/17/2024",
      "Comments": "Test Comment",
      "IsActive": "true",
      "PayRequestInvoice": [
         {
            "InvoiceNumber": "720001396511",
            "InvoiceAmount": 200,
            "RetentionReleaseAmount": "",
            "RecordId": "",
            "InvoiceStatus": "Draft",
            "InvoiceDate": "10/14/2024",
            "InvoiceURL": "abc.com",
            "EstimatedPostingDate": "",
            "InvoiceTax": "30",
            "SourceSystemId": "720001396511",
            "SourceSystemName": "720001396511",
            "InvoiceTaxDetail": [
               {
                  "TaxType": "US Tax",
                  "TaxAmount": "30"
               }
            ],
            "InvoiceDocument": []
         },
         {
            "InvoiceNumber": "720001396522",
            "InvoiceAmount": 100,
            "RetentionReleaseAmount": "",
            "RecordId": "",
            "InvoiceStatus": "Pending",
            "InvoiceDate": "10/14/2024",
            "InvoiceURL": "",
            "EstimatedPostingDate": "",
            "InvoiceTax": "30",
            "SourceSystemId": "720001396522",
            "SourceSystemName": "720001396522",
```

```
            "InvoiceTaxDetail": [
               {
                  "TaxType": "US Tax",
                  "TaxAmount": "30"
               }
            ],
            "InvoiceDocument": [
               {
                  "DocumentBase64": "
JVBERi0xLjcKCjQgMCBvYmoKKElkZW50aXR5KQplbmRvYmoKNSAwIG9iagooQWRvYmUpCmVuZG9iago4IDA
gb2JqCjw8Ci9GaWx0ZXIgL0ZsYXRlRGVjb2RlCi9MZW5ndGggMjQxODQKL0xlbmd0aDEgNTY1MTIKL1R5cG
UgL1N0cmVhbQo+PgpzdHJlYW0KeJzsvQlgFEX2P/6qumdykotwJpCZzEw4EhIIhCMghvsUEAIkiJohBwnkI
gkgCIggilHR9ZZ1BV3XA10MooiuooK6eICu31XUxQNEQJdFcVm+KJD+f+p1z2Ryge53d7+//+9nV1519avX
Va/eVVXdnYQEEcUi0ylrzMhRo8WScy8QfdKPSN48ZsrkaX+70/t7oks3Ei3+Ysy06cM3TNq2gejNlUSR/SZ
PS0sf/8OjdiKxG63kTcselv2ns+8aRB9vx/Wy/DJvZfvx7dOI2n2E69fyF9U4nL9p9wZR9964fqWocm7ZzJ
sio4ja34/2Vs/1VldSEMWhvztRHz63dEnRwfKlu0D/HVHo0OJCb4H7oX+sR38TUd+/GIjws20ew/V1uHYXl
9VclfdEBO6X3Yna1s0vrCrv+9nQVKKLskAjSyvyve9ct/dzor7oPzSqzHtVZXBZ5CnUoQ1ylBXWePv/9qpp
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```


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                  "FileName": "7200013961INV1.pdf"
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            ]
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            "ContractDetailAmount": 190,
            "ContractDetailRetentionAmount": 1.0,
            "CreditIndicator": "false",
            "IsActive": "true"
         },
         {
```

```
            "ContractDetailReference": "0002",
            "ContractDetailQuantity": 1,
            "ContractDetailAmount": 110,
            "ContractDetailRetentionAmount": 1.0,
            "CreditIndicator": "false",
            "IsActive": "true"
        }
    ],
    "BackChargeDetail": [
    {
            "BackchargeReference": "0001",
            "AccountingLedger": "510115",
            "IsActive": "true"
    }
    ],
    "PaymentRequestContractScheduleOfValue": [
    {
            "ContractScheduleOfValueReference": "1",
            "ContractScheduleOfValueQuantity": 13.0,
            "ContractScheduleOfValueAmount": 150.0,
            "IsActive": "true"
    },
    {
            "ContractScheduleOfValueReference": "2",
            "ContractScheduleOfValueQuantity": 3.0,
            "ContractScheduleOfValueAmount": 50.0,
            "IsActive": "true"
    }
    ]
}]
```


Verification

You can check the status of the Payment form API using the Location URL sent in the Response header after the JSON is sent via API. The Location URL will include any errors related to the message. If there are no failures, the payment form is added to the Payment Form register in Contract.

List Purchase Order

This integration allows a customer to receive a contract purchase order or multiple purchase orders as a JSON message. The customer can pass parameters to the API and the filtered results are sent as the output. Use the Location URL of the response header to get the details.

Direction		To InEight Contract.
Frequency		Determined by external system.
Trigger Methods		Determined by external system.
Average Payload Size		Entire entity – Less than 100 records. Entity delta – Less than 100 records.
APIM Name		List PurchaseOrder
InEight Contract	**Starting Version**	24.11
	Ending Version	

Business Flow

Request Sample

https://api.ineight.com/contract/PurchaseOrder/Export?ProjectReference={ProjectReference}[&ContractReference][&PurchaseOrderNumber][&ContractStatus]

Fields

Depth	Name	Type	Precision	Parent	Req.
1	ProjectReference	String	50		Yes
1	ContractReference	string	10		No
1	PurchaseOrderNumber	String	50		No
1	ContractStatus	String	50		No

Field Descriptions

Name	Description	Example
ProjectReference	Unique reference for the project that the contract/ purchase order is being created. This value shows in the UI in Project > Project details > Project ID.	103514
ContractReference	Unique identifier of the contract and the purchase order number. The starting and ending values of the numbering sequence might be defined for different contract types per customer. This value shows in the UI in Project > Contract > Contract register > ID.	550004467
PurchaseOrderNumber	A free-form text field that can be manually filled by a user via the Contract UI or filled in the integration response message. The information stored in this field is for manual reference only and has no direct correlation to other Contract data. This value shows in the UI in Project > Contract > Contract details > Purchase order ID.	
ContractStatus	Value of data in Current status field defined in InEight Contract. This value shows in the UI in Project > Contract > Contract details > Contract status.	

Output

The output of the GET API will be exactly similar like [Purchase Order (Request)]

Sample Output JSON


```
{
   "@odata.context":
"https://apisbx.ineight.com/integrations/PurchaseOrder/Export?ProjectReference=1049
83&ContractStatus=Draft",
   "value": [
      {
         "ContractReference": 7200013958,
         "ContractTypeReference": "ZHSC",
         "VendorReference": "0010120920",
         "PurchasingOrganizationReference": "0100",
         "PurchasingGroupReference": "010",
         "LegalEntityReference": "1602",
         "PaymentTermReference": "NT30",
         "CurrencyReference": "USD",
         "INCOTerms": "DDP",
         "INCOTermLocation": "",
         "CreatedByReference": "Sandip.Pal@INEIGHT.COM",
         "CreatedDate": "10/01/2024",
         "GRNonValuatedFlag": "X",
```

```
        "LogToken": "f822602d-bcfb-4f87-98ad-71d193e8e80d",
        "ProjectReference": "104983",
        "ProjectSourceSystemId": 12131,
        "ContractDetail": [
           {
              "MaterialCharacteristicReference": "",
              "ReturnPOFlag": "",
              "ContractReference": 7200013958,
              "ContractDetailReference": 1,
              "MasterAgreementContractDetailReference": 0,
              "ContractDetailSourceSystemId": 479748,
              "ContractDetailType": "Service",
              "Description": "Mowing",
              "MaterialReference": "",
              "MaterialGroupReference": "MTA",
              "CreatedbyReference": "Sandip.Pal@INEIGHT.COM",
              "Quantity": 1.0,
              "UpperLimit": "",
              "LowerLimit": "",
              "UnitOfMeasureReference": "LS",
              "UOMId": 17,
              "NetPrice": 100000.0,
              "UnitsPerPrice": 1,
              "PriceUnitOfMeasureReference": "LS",
              "TaxCodeReference": "GROSS,I1,NET",
              "DeliveryDate": "05/16/2023",
              "OrderDeliveryTolerance": 0.0,
              "PlantReference": "7009",
              "StorageLocationReference": "0007",
              "DeletionIndicator": "",
              "DeliveryCompleteIndicator": "",
              "InvoicePlanIndicator": "",
              "MaterialCharacteristic": [],
              "ShippingAddress": [
                 {
                    "DisplayId": 2899,
                    "StreetName": "24395 County Road 48 ",
                    "CityName": "Angleton",
                    "Region": "TX",
                    "CountryCode": "US",
                    "PostalCode": "77515",
                    "TaxJurisdiction": "4403900000"
                 }
              ],
              "AccountAssignmentCategory": "WBS",
              "CDSSplitMethod": "",
              "ContractDetailCostItem": [
                 {
                    "SplitByValue": "",
                    "AccountAssignmentLineNumber": 1,
                    "CostItemReference": "104983.2449",
                    "CostItemSourceSystemId": 1819768,
                    "AccountingLedgerReference": "520120",
                    "CreatedbyReference": "Sandip.Pal@INEIGHT.COM",
                    "DeletionIndicator": "",
                    "CostCenterReference": ""
                 }
```

```
            ],
            "Comments": "",
            "RetentionPercent": 10.0,
            "FairMarketValue": "",
            "EquipmentPrefix": "",
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            "RentalType": "",
            "NAICScode": "",
            "WBSCategoryReference": "WBS-C",
            "NoFurtherInvoiceIndicator": "",
            "GoodsReceiptStatus": "X",
            "CustomField1": "",
            "CustomField2": "",
            "CustomField3": "",
            "CustomField4": "",
            "CustomField5": "",
            "LongDescription": "",
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            "HarmonizedTariffSchedule": "",
            "ValidThroughDate": "",
            "CustomList1": "",
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            "DiversityParticipationValue": 0.0,
            "IsTaxable": true,
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            "TaxAmountProjectCurrency": 30000.0,
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                  "ProjectCurrencyReference": "USD",
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               {
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                  "CurrencyReference": "USD",
                  "TaxAmountProjectCurrency": 20000.0,
                  "ProjectCurrencyReference": "USD",
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                  "TaxRate": 0.0,
                  "CurrencyReference": "USD",
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```
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        "CreatedbyReference": "Sandip.Pal@INEIGHT.COM",
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        "LowerLimit": "0.00000",
        "UnitOfMeasureReference": "EA",
        "UOMId": 6,
        "NetPrice": 5000.0,
        "UnitsPerPrice": 1,
        "PriceUnitOfMeasureReference": "EA",
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                "PostalCode": "77515",
                "TaxJurisdiction": "4403900000"
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                "CostItemSourceSystemId": 1213425,
                "AccountingLedgerReference": "520120",
                "CreatedbyReference": "Sandip.Pal@INEIGHT.COM",
```

```
                "DeletionIndicator": "",
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        "CustomField4": "",
        "CustomField5": "",
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                "ProjectCurrencyReference": "USD",
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                "TaxRate": 20.0,
                "CurrencyReference": "USD",
                "TaxAmountProjectCurrency": 1000.0,
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            {
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                "Description": "US Tax",
```

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"CustomField8": "",
"CustomField9": "",
"CustomField10": "",
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"ContractStatus": "Draft",
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"StorageLocationReference": "2589",
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"InvoicePlanIndicator": false,
"RetentionPercent": 9.486666657142857,
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"Discipline": "",
"BidPackageReference": "0",
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        "DisplayId": 2899,
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        "CityName": "Angleton",
        "Region": "TX",
        "CountryCode": "US",
        "PostalCode": "77515",
        "TaxJurisdiction": "4403900000"
    }
```

```
        ],
        "ProjectISOCountrycode": "US",
        "RequisitionNumber": "",
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    {
        "ContractReference": 7200013961,
        "ContractTypeReference": "ZHSC",
        "VendorReference": "0010120920",
        "PurchasingOrganizationReference": "0100",
        "PurchasingGroupReference": "010",
        "LegalEntityReference": "1602",
        "PaymentTermReference": "NT30",
        "CurrencyReference": "USD",
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        "INCOTermLocation": "",
        "CreatedByReference": "Sandip.Pal@INEIGHT.COM",
        "CreatedDate": "10/18/2024",
        "GRNonValuatedFlag": "X",
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        "ProjectSourceSystemId": 12131,
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                "ReturnPOFlag": "",
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                "ContractDetailReference": 1,
                "MasterAgreementContractDetailReference": 0,
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                "ContractDetailType": "Service",
                "Description": "Mowing",
                "MaterialReference": "",
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                "CreatedbyReference": "Sandip.Pal@INEIGHT.COM",
                "Quantity": 1.0,
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                "LowerLimit": "",
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                "NetPrice": 100000.0,
                "UnitsPerPrice": 1,
                "PriceUnitOfMeasureReference": "LS",
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                "OrderDeliveryTolerance": 0.0,
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                "StorageLocationReference": "0007",
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                "DeliveryCompleteIndicator": "",
                "InvoicePlanIndicator": "",
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                        "StreetName": "24395 County Road 48 ",
```

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                "PostalCode": "77515",
                "TaxJurisdiction": "4403900000"
            }
        ],
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                "SplitByValue": "",
                "AccountAssignmentLineNumber": 1,
                "CostItemReference": "104983.2449",
                "CostItemSourceSystemId": 1819768,
                "AccountingLedgerReference": "520120",
                "CreatedbyReference": "Sandip.Pal@INEIGHT.COM",
                "DeletionIndicator": "",
                "CostCenterReference": ""
            }
        ],
        "Comments": "",
        "RetentionPercent": 10.0,
        "FairMarketValue": "",
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        "CustomField3": "",
        "CustomField4": "",
        "CustomField5": "",
        "LongDescription": "",
        "CountryOfOrigin": "US",
        "HarmonizedTariffSchedule": "",
        "ValidThroughDate": "",
        "CustomList1": "",
        "CustomList2": "",
        "DiversityParticipationPercent": 0.0,
        "DiversityParticipationValue": 0.0,
        "IsTaxable": true,
        "ContractDetailTaxAmount": 30000.0,
        "TaxAmountProjectCurrency": 30000.0,
        "IsClosed": false,
        "ContractDetailEstimatedTax": [
            {
                "TaxCode": "NET",
                "Description": "NET",
                "TaxAmount": 10000.0,
                "TaxRate": 10.0,
                "CurrencyReference": "USD",
                "TaxAmountProjectCurrency": 10000.0,
                "ProjectCurrencyReference": "USD",
```

```
                "SourceSystemId": "MES",
                "IncludeInCommittedCost": true
            },
            {
                "TaxCode": "GROSS",
                "Description": "GROSS",
                "TaxAmount": 20000.0,
                "TaxRate": 20.0,
                "CurrencyReference": "USD",
                "TaxAmountProjectCurrency": 20000.0,
                "ProjectCurrencyReference": "USD",
                "SourceSystemId": "MES",
                "IncludeInCommittedCost": true
            },
            {
                "TaxCode": "US Tax",
                "Description": "US Tax",
                "TaxAmount": 0.0,
                "TaxRate": 0.0,
                "CurrencyReference": "USD",
                "TaxAmountProjectCurrency": 0.0,
                "ProjectCurrencyReference": "USD",
                "SourceSystemId": "MES",
                "IncludeInCommittedCost": true
            }
        ]
    },
    {
        "MaterialCharacteristicReference": "",
        "ReturnPOFlag": "",
        "ContractReference": 7200013961,
        "ContractDetailReference": 2,
        "MasterAgreementContractDetailReference": 0,
        "ContractDetailSourceSystemId": 480776,
        "ContractDetailType": "Material",
        "Description": "SUB,FIBER OPTIC TERMINATION,REPAIR",
        "MaterialReference": "16000000113",
        "MaterialGroupReference": "MNF",
        "CreatedbyReference": "Sandip.Pal@INEIGHT.COM",
        "Quantity": 1.0,
        "UpperLimit": "0.00000",
        "LowerLimit": "0.00000",
        "UnitOfMeasureReference": "EA",
        "UOMId": 6,
        "NetPrice": 5000.0,
        "UnitsPerPrice": 1,
        "PriceUnitOfMeasureReference": "EA",
        "TaxCodeReference": "GROSS,I1,NET",
        "DeliveryDate": "10/16/2024",
        "OrderDeliveryTolerance": 0.0,
        "PlantReference": "7009",
        "StorageLocationReference": "0007",
        "DeletionIndicator": "",
        "DeliveryCompleteIndicator": "",
        "InvoicePlanIndicator": "",
        "MaterialCharacteristic": [],
        "ShippingAddress": [
```

```
            {
               "DisplayId": 2899,
               "StreetName": "24395 County Road 48 ",
               "CityName": "Angleton",
               "Region": "TX",
               "CountryCode": "US",
               "PostalCode": "77515",
               "TaxJurisdiction": "4403900000"
            }
         ],
         "AccountAssignmentCategory": "WBS",
         "CDSSplitMethod": "",
         "ContractDetailCostItem": [
            {
               "SplitByValue": "",
               "AccountAssignmentLineNumber": 1,
               "CostItemReference": "104983.1005",
               "CostItemSourceSystemId": 1213425,
               "AccountingLedgerReference": "520120",
               "CreatedbyReference": "Sandip.Pal@INEIGHT.COM",
               "DeletionIndicator": "",
               "CostCenterReference": ""
            }
         ],
         "Comments": "",
         "RetentionPercent": 0.0,
         "FairMarketValue": "",
         "EquipmentPrefix": "",
         "EquipmentTypeId": "",
         "RentalType": "",
         "NAICScode": "",
         "WBSCategoryReference": "WBS-C",
         "NoFurtherInvoiceIndicator": "",
         "GoodsReceiptStatus": "X",
         "CustomField1": "",
         "CustomField2": "",
         "CustomField3": "",
         "CustomField4": "",
         "CustomField5": "",
         "LongDescription": "",
         "CountryOfOrigin": "US",
         "HarmonizedTariffSchedule": "",
         "ValidThroughDate": "",
         "CustomList1": "",
         "CustomList2": "",
         "DiversityParticipationPercent": 0.0,
         "DiversityParticipationValue": 0.0,
         "IsTaxable": true,
         "ContractDetailTaxAmount": 1500.0,
         "TaxAmountProjectCurrency": 1500.0,
         "IsClosed": false,
         "ContractDetailEstimatedTax": [
            {
               "TaxCode": "NET",
               "Description": "NET",
               "TaxAmount": 500.0,
               "TaxRate": 10.0,
```

```
                "CurrencyReference": "USD",
                "TaxAmountProjectCurrency": 500.0,
                "ProjectCurrencyReference": "USD",
                "SourceSystemId": "MES",
                "IncludeInCommittedCost": true
            },
            {
                "TaxCode": "GROSS",
                "Description": "GROSS",
                "TaxAmount": 1000.0,
                "TaxRate": 20.0,
                "CurrencyReference": "USD",
                "TaxAmountProjectCurrency": 1000.0,
                "ProjectCurrencyReference": "USD",
                "SourceSystemId": "MES",
                "IncludeInCommittedCost": true
            },
            {
                "TaxCode": "US Tax",
                "Description": "US Tax",
                "TaxAmount": 0.0,
                "TaxRate": 0.0,
                "CurrencyReference": "USD",
                "TaxAmountProjectCurrency": 0.0,
                "ProjectCurrencyReference": "USD",
                "SourceSystemId": "MES",
                "IncludeInCommittedCost": true
            }
        ]
    }
],
"AgreementNumber": "",
"AgreementValue": "",
"PurchaseOrderNumber": "",
"PurchaseOrderValue": "",
"CustomField1": "",
"CustomField2": "",
"CustomField3": "",
"CustomField4": "",
"CustomField5": "",
"CustomField6": "",
"CustomField7": "",
"CustomField8": "",
"CustomField9": "",
"CustomField10": "",
"RemainingToBuy": "",
"ContractStatus": "Draft",
"Description": "Mowing",
"ContractSubTypeReference": "",
"EffectiveDate": "5/15/2023 12:00:00 PM +00:00",
"StorageLocationReference": "2589",
"CountryOfOrigin": "",
"InvoicePlanIndicator": false,
"RetentionPercent": 9.505714276190476,
"RetentionAmount": 9980.99999,
"Discipline": "",
"BidPackageReference": "0",
```

```
        "BidPackageOriginalBaseValue": "",
        "BidPackageContingencyEstimate": "",
        "BidPackageEscalationEstimate": "",
        "BidPackageUnawardedAdjustment": "",
        "BidPackageOwnerChangeAmount": "",
        "BidPackageTotalEstimate": "",
        "LiquidatedDamageOverallCap": 0.0,
        "CustomList1": "",
        "CustomList2": "",
        "ScopeOfContract": "",
        "ShippingAddress": [
           {
              "DisplayId": 2899,
              "StreetName": "24395 County Road 48 ",
              "CityName": "Angleton",
              "Region": "TX",
              "CountryCode": "US",
              "PostalCode": "77515",
              "TaxJurisdiction": "4403900000"
           }
        ],
        "ProjectISOCountrycode": "US",
        "RequisitionNumber": "",
        "RequisitionValue": "",
        "IsExternalCreatedPurchaseOrder": ""
     }
   ]
}
```

Payment Claim Request

This integration allows a customer to create a payment claim along with invoice and SOV in Contract.

Direction		To InEight Contract.
Frequency		Determined by external system.
Trigger Method(s)		Determined by external system.
Average Payload Size		Entire entity – Tens of records.
API Name		PaymentClaimRequest
InEight Contract	**Starting Version**	25.5
	Ending Version	

Business Flow

Using this API, the customer is able to create and update payment claims in InEight Contract. The customer can also add a payment claim, add an invoice to payment claim and assign schedule of values to a payment claim.

Fields

Depth	Name	Type	Precision[1]	Parent
1	LogToken	String	50	
1	ProjectReference	String	50	
1	PaymentClaimReference	String	10	
1	ContractReference[2]	String	10	
1	AlternatePaymentClaimId	String	50	
1	Description	String	200	
1	CreatedBy	String	50	
1	WorkCompletedFromDate	String	Date	
1	WorkCompletedThroughDate	String	Date	
1	DateOfPaymentClaim	String	Date	
1	Comments	String	500	
1	IsActive	String	5	
1	PaymentClaimDate1ActualDate	String	Date	
1	PaymentClaimDate2ActualDate	String	Date	

1	PaymentClaimDate3ActualDate	String	Date	
1	PaymentClaimDate4ActualDate	String	Date	
1	PaymentClaimDate5ActualDate	String	Date	
1	PaymentClaimDate6ActualDate	String	Date	
1	PaymentClaimDate7ActualDate	String	Date	
1	PaymentClaimDate8ActualDate	String	Date	
1	PaymentClaimDate9ActualDate	String	Date	
1	PaymentClaimDate10ActualDate	String	Date	
1	PaymentClaimInvoice	Array	NA	
2	InvoiceNumber	String	50	PaymentClaimInvoice
2	InvoiceDate	String	Date	PaymentClaimInvoice
2	InvoiceAmount	Decimal	16,5	PaymentClaimInvoice
2	RetentionReleaseAmount	Decimal	16,5	PaymentClaimInvoice
2	InvoiceStatus	String	50	PaymentClaimInvoice
2	InvoiceTax	Decimal	16,5	PaymentClaimInvoice
2	RecordId	String	50	PaymentClaimInvoice
2	SourceSystemId	String	50	PaymentClaimInvoice
2	SourceSystemName	String	50	PaymentClaimInvoice
2	EstimatedPostingDate	String	Date	PaymentClaimInvoice
2	InvoiceURL	String	500	PaymentClaimInvoice
2	InvoiceTaxDetail	Array	NA	PaymentClaimInvoice
3	TaxType	String	50	PaymentClaimInvoice
3	TaxAmount	Decimal	16,5	PaymentClaimInvoice
2	InvoiceDocument	Array	NA	PaymentClaimInvoice
3	DocumentBase64	String	MAX	InvoiceDocument
3	ContentType	String	50	InvoiceDocument
3	FileName	String	50	InvoiceDocument
1	PaymentClaimContractScheduleOfValue	Array	NA	
2	ScheduleItemReference	String	10	PaymentClaimContractScheduleOfValue
2	Description	String	250	PaymentClaimContractScheduleOfValue
2	ContractDetailReference	String	105	PaymentClaimContractScheduleOfValue
2	IsActive	String	5	PaymentRequestContractScheduleOfValue
2	ScheduleItemQuantity	Decimal	16,5	PaymentRequestContractScheduleOfValue
2	ScheduleItemUnitPrice	Decimal	16,5	PaymentRequestContractScheduleOfValue
2	ScheduleItemValue	Decimal	16,5	PaymentRequestContractScheduleOfValue

2	UnitOfMeasureReference	String	20	PaymentRequestContractScheduleOfValue
2	HidePlanandProgress	String	5	PaymentRequestContractScheduleOfValue
2	IsValueOnly	String	5	PaymentRequestContractScheduleOfValue
2	VendorSubmissionQuantity	Decimal	16,5	PaymentRequestContractScheduleOfValue
2	VendorSubmissionValue	Decimal	16,5	PaymentRequestContractScheduleOfValue
2	VendorSubmissionPercentCompleteToDate	Decimal	16,5	PaymentRequestContractScheduleOfValue
2	CertifiedQuantity	Decimal	16,5	PaymentRequestContractScheduleOfValue
2	CertifiedValue	Decimal	16,5	PaymentRequestContractScheduleOfValue
2	CertifiedPercentCompleteToDate	Decimal	16,5	PaymentRequestContractScheduleOfValue
2	Reason	String	250	PaymentRequestContractScheduleOfValue
2	SourceSystemId	String	50	PaymentRequestContractScheduleOfValue
2	SourceSystemName	String	50	PaymentRequestContractScheduleOfValue

1 - For numeric data types, precision is given as total digits allowed in the field and the number of those digits that exist to the right of the decimal.
2 - Natural Key field.

Field Descriptions

Name	Description	Example
LogToken	Unique GUID that is provided for external systems to use when responding to confirm the payment request or to send a status update on the payment. This value shows in the UI in Project > Contract > Contract details > Sync log > ERP log token ID.	0907cc42-a77a-44c0-ab95-0bc4f510ce7b
PaymentClaimReference	Unique identifier of the payment claim for the contract in the request message This value shows in the UI in Project > Contract > Payment claim details > Payment claim ID.	0001
AlternatePaymentClaimId	Alternate identifier of the payment claim for the contract in the request message. This value shows in the UI under Project > Contract > Payment Claim details > Alternate Payment Claim ID.	Test001
ContractReference	Unique identifier of the contract. This value shows in the UI in Project > Project settings > Contract > Contract register > Contract ID.	4776444644
ProjectReference	The DisplayId of the Project where the contract is coming from. This value shows in the UI in Project > Project details > Project ID.	103361
Description	Description or title of the Payment claim. This value shows in the UI in Project > Contract > Payment claim details > Description.	Pay App 01 - December 2020 (KU)

IsActive	This flag is used to make associated item inactivated (deleted). If the user sends IsActive = false, then the associated item will be inactivated (deleted). The default value is set to true if the field is empty.	true
CreatedBy	User display ID or email address of the person that created the Payment claim. The User display id or the email should match the data already exists in project suite This value shows in the UI in Project > Contract > Contract details > Payment claims > Created by.	0002670
WorkCompletedFromDate	Value of data in Work completed from date field in the UI for the Payment claim. This value shows in the UI in Project > Contract > Payment claim details > Work completed from.	01/16/2009
WorkCompletedThroughDate	Value of data in Work completed through date field in the UI for the Payment claim. This value shows in the UI in Project > Contract > Payment claim details > Work completed through.	02/20/2009
DateOfPaymentClaim	Value of data (if any) in the Date Of the Payment Claim field. This value shows in the UI under Project > Contract > Payment Claim details > Date Of the Payment Claim.	10/10/2025
Comments	Value of data (if any) in Comments field in the UI for the Payment claim. This value shows in the UI in Project > Contract > Payment claim details > Comments.	Test Payment Request
PaymentClaimDate1ActualDate	This is Submission Date for the payment claim	
PaymentClaimDate2ActualDate	This Is Payment Claim Certification date. DO NOT USE this field. This is kept for future use.	
PaymentClaimDate3ActualDate	This is the actual date for the third date field in the Payment Claim Date section. This date is the same as what is stored in Project settings and as shown in the Payment Claim Dates section.	
PaymentClaimDate4ActualDate	This is the actual date for the fourth date field in the Payment Claim Date section. This date is the same as what is stored in Project settings and as shown in the Payment Claim Dates section.	
PaymentClaimDate5ActualDate	This is the actual date for the fifth date field in the Payment Claim Date section. This date is the same as what is stored in Project settings and as shown in the Payment Claim Dates section.	
PaymentClaimDate6ActualDate	This is the actual date for the sixth date field in the Payment Claim Date section. This date is the same as what is stored in Project settings and as shown in the Payment Claim Dates section.	
PaymentClaimDate7ActualDate	This is the actual date for the seventh date field in the Payment Claim Date section. This date is the same as what is stored in Project settings and as shown in the Payment Claim Dates section.	

PaymentClaimDate8ActualDate	This is the actual date for the eighth date field in the Payment Claim Date section. This date is the same as what is stored in Project settings and as shown in the Payment Claim Dates section.	
PaymentClaimDate9ActualDate	This is the actual date for the nineth date field in the Payment Claim Date section. This date is the same as what is stored in Project settings and as shown in the Payment Claim Dates section.	
PaymentClaimDate10ActualDate	This is the actual date for the tenth date field in the Payment Claim Date section. This date is the same as what is stored in Project settings and as shown in the Payment Claim Dates section.	
PaymentClaimInvoice	Array of invoice details. Records in this array can be repeated for the number of invoices associated with the pay request. This value shows in the UI in Project > Contract > Payment claim details > Invoice attachments.	
InvoiceNumber	Represents the invoice ID of the invoice. This invoice number shows in the Invoice Register after it is added to InEight Contract. This value shows in the UI in Project > Contract > Payment claim details > Invoice attachments > Invoice number.	12456ABC
InvoiceStatus	Indicates status of the invoice as stored in an external system. This shows in the Invoice Register and Payment Request Invoice tab in InEight Contract. This value shows in the UI in Project > Contract > Payment claim details > Invoice attachments > Record status.	Externally Sent
InvoiceDate	Date shown on the vendor's invoice. This value shows in the UI in Project > Contract > Payment claim details > Invoice attachments > Invoice date.	10/12/2024
EstimatedPostingDate	This is estimated posting date for the invoice. This value shows in the UI in Project > Contract > Payment claim details > Invoice attachments > Estimated posting date.	11/12/2024
InvoiceAmount	Amount specified in the invoice. This value shows in the UI in Project > Contract > Payment claim details > Invoice attachments > Invoice amount.	123456.78
RetentionReleaseAmount	DO NOT USE this field. This is for future use.	
InvoiceTax	Tax amount for the invoice. This value shows in the UI in Project > Contract > Payment claim details > Invoice attachments > Total tax.	1234.56
RecordId	Unique record ID for the invoice as stored in external system. This ID shows in the Invoice Register and Payment Request Invoice tab in InEight Contract. This value shows in the UI in Project > Contract > Payment claim details > Invoice attachments > Record ID.	23456
IsActive	This flag is used to make associated item inactivated (deleted). If the user sends IsActive = false, then the associated item will be inactivated (deleted). The default value is set to true if the field is empty.	true

SourceSystemId	Unique invoice document ID stored in the external system. This is not shown in the UI.	External123
SourceSystemName	Name of the system from which the invoice is posted. This is not shown in the UI.	External234
InvoiceURL	Link to the invoice. This can be any link accessible by external system. This value shows in the UI in Project > Contract > Payment claim details > Invoice attachments > File/link.	Abc.com/abc,pdf
InvoiceTaxDetail	This array is a breakdown of the invoice tax. This value shows in the UI in Project > Contract > Payment claim details > Invoice attachments > Total tax Hover over.	
TaxType	Should match the tax settings stored for the project in InEight Contract project settings. This value shows in the UI in Project > Contract > Payment claim details > Invoice attachments > Total tax Hover over.	US Tax
TaxAmount	Tax amount for that tax type. This value shows in the UI in Project > Contract > Payment claim details > Invoice attachments > Total tax Hover over.	123
InvoiceDocument	Array of actual invoices (base64 encoded) associated to that payment request. Records in this array can be repeated for the number of invoices associated with the pay request. This value shows in the UI in Project > Contract > Payment claim details > invoice attachment.	
DocumentBase64	This field indicates the base64 encoded string of the document user wanted to send. InEiight will decode the string, convert that to actual file and store in InEight Project suite. Once uploaded, user should be able to download the file in InEight project suite.	Please see sample JSON
ContentType	This field indicates the file type which is being sent as base64 encoded file. some example are "application/pdf", "application/doc" etc.	application/pdf
FileName	This field indicates the file name that will be shown in the InEight project suite once the base64 encoded file is uploaded.	Abc.pdf
PaymentClaimContractScheduleOfValue	Array of contract schedule of values added to payment claim. Records in this array can be repeated for the number of schedule of values associated with the payment claim. This value shows in the UI in Project > Contract > Payment claim details > Schedule of Values.	
ScheduleItemReference	Unique reference to the schedule of values of the contract. If the User want to add New schedule of values in the Payment claim, This field should remain blank This value shows in the UI in Project > Contract > Payment claim > schedule of values > Schedule Item ID.	1

Description	Description of the schedule of values of the contract. This value shows in the UI in Project > Contract > Payment claim > schedule of values > Description.	test
ContractDetailReference	Unique reference to the line item of the contract. This value shows in the UI in Project > Contract > Line Items > Line Item ID.	001
ScheduleItemQuantity	Quantity of the schedule of values This value shows in the UI in Project > Contract > Payment claim details > Schedule items > Schedule Quantity	1000
ScheduleItemUnitPrice	Unit price of the Schedule of Values associated with the payment claim. This value shows in the UI in Project > Contract > Contract Details > Payment Claim > Schedule of Values > Unit Price.	1
ScheduleItemValue	Value of the Schedule of Values associated with the payment claim. This value shows in the UI in Project > Contract > Contract Details > Payment Claim > Schedule of Values > Schedule Value.	1000
UnitOfMeasureReference	Unit of measure value of the schedule of values This value shows in the UI in Project > Contract > Payment claim details > Schedule of value > Schedule items > UoM	EA
HidePlanandProgress	Hide plan and progress value of the Schedule of Values associated with the payment claim. This value shows in the UI in Project > Contract > > Schedule of value > HidePlanandProgress	true
IsValueOnly	Get value only of the Schedule of Values associated with the payment claim.	true
VendorSubmissionQuantity	Vendor Submission Quantity value of the schedule of values This value shows in the UI in Project > Contract > Payment claim details > Schedule of value > vendor submission > Quantity	1000
VendorSubmissionValue	Vendor Submission Amount Value of the schedule of values associated with the payment claim This value shows in the UI in Project > Contract > Payment claim details > Schedule of value > vendor submission > Value	1000
VendorSubmissionPercentCompleteToDate	Vendor submission percentage of completion of the Schedule of Values associated with the payment claim. This value shows in the UI in Project > Contract > Contract Details > Payment Claim > Schedule of Values > Vendor Submission > % Complete to Date.	35

CertifiedQuantity	Certified Quantity Value of the schedule of values associated with the payment claim This value shows in the UI in Project > Contract > Payment claim details > Schedule of value > Certification > Quantity	500
CertifiedValue	Certified Amount Value of the schedule of values associated with the payment claim This value shows in the UI in Project > Contract > Payment claim details > Schedule of value > Certification > Value	500
CertifiedPercentCompleteToDate	Certified Percent Complete Value of the schedule of values This value shows in the UI in Project > Contract > Payment claim details > Schedule of value > Certification > % Complete to date	30
Reason	Reason for delta of the Schedule of Values associated with the payment claim This value shows in the UI in Project > Contract > Payment claim details > Schedule of value > Certification > Reason	Incorect invoice
IsActive	This flag is used to make associated item in-activated (deleted). If the user sends IsActive = false, then the associated item will be in-activated (deleted). The default value is set to true if the field is empty.	true
SourceSystemId	Unique schedule item ID stored in the external system. Th is is not shown in the UI.	Test123
SourceSystemName	Name of the system from which the schedule item is post ed. This is not shown in the UI.	external

Error Messages

The following error messages are generated by the InEight cloud platform and products for this integration. Errors in the table below are distinguished by the process that checks for the error.

- API validation errors are basic record validations that will be returned to the API request message and cause the entire payload to fail.
- Entity logic errors are performed internally in the InEight cloud platform and products to look for specific business rule or data integrity issues record-by-record. Failures with entity logic validations only cause the individual record to cease processing and are written to internal logging.

Below errors can be seen when the user accesses the Locaton url from the Response Header for Request message.

Response Headers


```
{
  "access-control-allow-credentials": "true",
  "access-control-allow-origin": "https://ineightsuite-qa-253.hds.ineight.com",
  "access-control-expose-headers": "Request-Context",
  "cache-control": "no-store, must-revalidate, no-cache",
  "content-length": "3",
  "content-type": "application/json; charset=utf-8",
  "date": "Fri, 23 May 2025 16:25:02 GMT",
  "expires": "Fri, 23 May 2025 16:25:02 GMT",
  "location": "https://ineightsuite-qa-253.hds.ineight.com/ExternalSystem//Messages/ImportStatus?requestId=99d64837-5cc
  "pragma": "no-cache",
  "request-context": "appId=cid-v1:43092f52-46aa-4752-b49a-d67dd6bdee64",
  "retry-after": "10",
  "server": "Microsoft-IIS/10.0",
  "strict-transport-security": "max-age=31536000; includeSubDomains; preload",
  "x-powered-by": "ASP.NET",
  "x-requestid": "a93fface-d4f1-4e1e-88c6-3162ffd1111"
}
```


API / Entity Logic	Condition	Code	Message
Entity Logic Validation	All received records have been validated	202	Successfully <<created/updated>> payment claim <<Payment claim id>> for Project <<Project Display Id>> and Contract <<Contract Number>> and Invoices <<Invoice numbers>>
API Validation	Create by User not valid user	202	Invalid user for External payment claim
API Validation	Invalid Contract id	202	Invalid contract Id for external payment claim
API Validation	Contract is locked for publish	202	Changes cannot be completed since the contract <<Contract Number>> is locked for publishing.
API Validation	Invalid Contract Type – Payment claim is not allowed for contract type	202	Payment claims cannot be created for the contract type
API Validation	Invalid Payment Claim Id	202	The contract <<Contract Number>>} does not have a matching payment claim reference of <<payment claim id>>. Please add a valid payment claim or leave it blank for a new payment claim.
API Validation	Invalid Invoice details	202	Invalid invoice details for vendor invoice reference
API Validation	Duplicate invoice	202	The invoice number is duplicated for the contract
API Validation	Invalid invoice amount	202	Please add either the Invoice amount
API Validation	Null payment Request description	202	Invalid description for the payment claim
API Validation	Payment claim is deleted	202	The selected payment claim <<payment claim id>> is already deleted
API Validation	Payment claim is certified	202	The selected payment claim <<payment claim id>> is already certified
API Validation	NULL Work completed from/through	202	Both Work completed From/Through fields are mandatory.
API Validation	Invalid Work completed from/through	202	The Work completed from/through date is invalid for Payment form

API validation	Work completed from date more than Work completed Through value	202	Work completed From cannot be more than Work completed Through value
API Validation	Workflow started for Payment claim	202	Changes cannot be completed since the payment claim <<payment claim id>> is in review for Contract
API Validation	Contract is already closed	202	Changes cannot be completed since the contract <<contract number>> is closed
API Validation	Invalid schedule of values sent in json	202	Following schedule of value items are invalid for this contract
API Validation	Generic error	202	Error saving external payment claim

Sample JSON


```
[
   {
      "LogToken": "",
      "ProjectReference": "103445",
      "ContractReference": "17036",
      "PaymentClaimReference": "0006",
      "AlternatePaymentClaimId" : "",
      "Description": "TEST 999999",
      "CreatedBy": "abc.def@ineight.com",
      "WorkCompletedFromDate": "6/17/2024",
      "WorkCompletedThroughDate": "12/17/2024",
      "DateOfPaymentClaim": "12/17/2024",
      "Comments": "757575757575",
      "IsActive": "true",
      "PaymentClaimDate1ActualDate": "12/17/2025",
      "PaymentClaimDate2ActualDate": "12/17/2025",
      "PaymentClaimDate3ActualDate": "12/17/2025",
      "PaymentClaimDate4ActualDate": "12/17/2025",
      "PaymentClaimDate5ActualDate": "12/17/2025",
      "PaymentClaimDate6ActualDate": "12/17/2025",
      "PaymentClaimDate7ActualDate": "12/17/2025",
      "PaymentClaimDate8ActualDate": "12/17/2025",
      "PaymentClaimDate9ActualDate": "12/17/2025",
      "PaymentClaimDate10ActualDate": "12/17/2025",
      "PaymentClaimInvoice": [
         {
            "InvoiceNumber": "INV17036111",
            "InvoiceAmount": 100,
            "RetentionReleaseAmount": null,
            "RecordId": "",
            "InvoiceStatus": "Sent",
            "InvoiceDate": "10/14/2024",
            "InvoiceURL": "",
            "EstimatedPostingDate": "",
            "InvoiceTax": "30",
            "IsActive": "true",
            "SourceSystemId": "INV17036111",
            "SourceSystemName": "INV17036111",
```

```
            "InvoiceTaxDetail": [
               {
                  "TaxType": "US Tax",
                  "TaxAmount": "30"
               }
            ],
            "InvoiceDocument": [
               {
                  "DocumentBase64":
"JVBERi0xLjcKCjQgMCBvYmoKKElkZW50aXR5KQplbmRvYmoKNSAwIG9iagooQWRvYmUpCmVuZG9iago4ID
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Verification

You can check the status of the Payment claim API using the Location URL sent in the Response header after the JSON is sent via API. The Location URL will include any errors related to the message. If there are no failures, the Payment claim is added to the Payment claim register in Contract.