



Explore API Documentation

SelfService_Contract_Contract

Version 3.1

Last Modified:12/22/2022



Change Log

This changelog only contains significant or notable changes to the revision. Any editorial type changes or minor changes are not included.

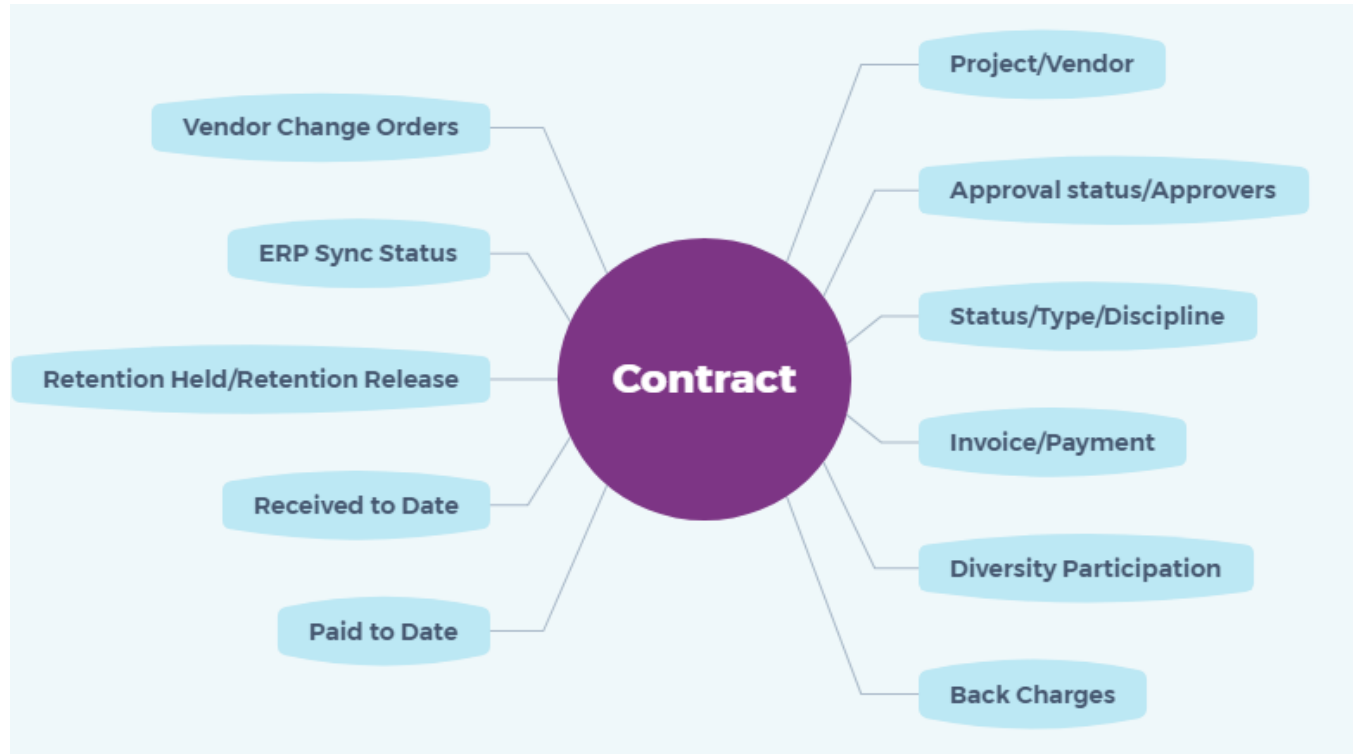
Revision	Change Date	Description	Modified By
1.0	4/30/2019	Initial draft	Swadesh Subedi
1.1	5/30/2019	Updated field names and definitions	Swadesh Subedi
2.0	2/5/2020	Added Contract subtype field	Swadesh Subedi
3.0	7/14/2020	Added Remaining to Buy and Published Date. Removed Approvers due to performance.	Swadesh Subedi
3.1	8/11/2022	Updated data refresh	Litzy Mora
4.0	12/22/2022	Updated pagination	Litzy Mora

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Overview

The **SelfService_Contract_Contract** API allows the authorized users to access all contracts belonging to projects to which the user has access. It provides contract specific information and summarized count/amount with respect to vendor change orders, invoiced to date, paid to date, received to date, retained to date, retainage released, back charges, etc. It also delivers package, vendor, sync status, and approval status associated to the contract.



Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality	Comment
Contract (C)	ContractStatus (CS)	C.ContractStatus = CS.ContractStatusId	M:1	Contract status name.
Contract (C)	ContractType (CT)	C.ContractTypeId = CT.ContractTypeId	M:1	Contract type name.
Contract (C)	ContractSubType(CST)	C.ContractSubTypeId = CST.ContractSubTypeId	M:1	Contract sub type name
Contract (C)	Project (P)	C.ProjectId = P.ProjectId	M:1	Project Id, Project display, Project name.
Contract (C)	Vendor (V)	C.VendorId = V.VendorId	M:1	VendorId, Vendor name.
Contract (C)	CurrencyReference (CR)	C.CurrencyId = CR.CurrencyId	M:1	Currency Code.
Contract (C)	Discipline (D)	C.DisciplineId = D.DisciplineId	M:1	Discipline name.
Contract (C)	Package (PKG)	C.ContractId =PKG.ContractId	1:1	Package Id, name. One contract can be associated with one or no package.
Contract (C)	User (U1) User (U2)	C.CreateById = U1.UserId C.ModifiedBy = U2.UserId	M:1	Created by name, Modified name.
Contract (C)	ContractDiversityCategory (CDC)	C.ContractId = CDC.ContractId	M:1	If a contract exists in the CDC table, it means the

				contract has diversity participation.
Contract (C)	ContractChangeOrder (CCO)	C.ContractId = CCO.ContractId	1:M	Sum and count of Executed/Potential VCOs.
Contract (C)	BackCharge (BC)	C.ContractId = BC.ContractId	1:M	Sum of all back charges.
Contract (C)	InvoiceReceiptItem (IRI)	C.ContractId = IRI.ContractId	1:M	Invoice corresponds at line item level
InvoiceReceipt (IR)	InvoiceReceiptItem (IRI)	IR.InvoiceReceiptId = IRI.InvoiceReceiptId	1:M	One invoice services multiple line items within a contract
InvoiceReceipt (IR)	InvoiceReceiptPayment (IRP)	IR.InvoiceReceiptId = IRP.InvoiceReceiptId	M:1	Payment made for multiple invoices.
Contract (C)	GoodsReceiptItem (GRI)	C.ContractId = GRI.ContractId	1:M	Received to date.
Contract (C)	WorkFlowHistory (WFH)	C.ContractId = WFH.SourceSystemId		Approval Status, Approvers
WorkFlowHistory (WFH)	WorkFlowStatus(WFS)	WFH.WorkFlowStatusId = WFS.WorkFlowStatusId	1:M	Approval Status
Contract (C)	ContractLog(CL)	C.ContractId = CL.ContractId	1:M	Contract log.
ContractLog (CL)	ContractLogStatusType (CLST)	CL.ContractLogStatusTypeId = CLST.ContractLogStatusTypeId	M:1	Sync status.

API Detail

Direction	From Project Suite	
Pagination	5,000 Rows	
Frequency	All Reporting APIs are used by calling a GET method at an interval determined by the customer. InEight suggests using these APIs on an infrequent basis (once per day) to avoid potential performance impact to live systems when the returned data set could be large.	
Trigger Method(s)	All default OData filters are supported	
Average Payload Size	Depends on date range selected	
APIM Name	SelfService_Contract_Contract	
API URL (QA)	https://api.ineight.com/reporting/v1/{tenantPrefix}/odata	
Source Data Table Kind	ODS Table (Release 20.5.2) except for one table: ContractLogStatusType.	
Data Refresh/Delta/Incremental Loads	This API must be run as a full refresh each time; the data in this API refreshes every 15-20 minutes	
Project Suite	Starting Version	V1.0
	Ending Version	V1.2

Supported Filters

All default OData filters are supported by this API.

Fields

Column Name	Data Type	Char Max Length	Numeric Precision	Numeric Scale	Date Precision	Is Nullable	PK
ContractId	BIGINT	NULL	19	0	NULL	0	X
ContractDescription	NVARCHAR	4000	NULL	NULL	NULL	1	
ProjectId	BIGINT	NULL	19	0	NULL	0	
ProjectDisplay	NVARCHAR	200	NULL	NULL	NULL	1	
ProjectName	NVARCHAR	300	NULL	NULL	NULL	1	
OrganizationId	BIGINT	NULL	19	0	NULL	1	
ContractStatus	VARCHAR	50	NULL	NULL	NULL	1	
ContractType	NVARCHAR	50	NULL	NULL	NULL	1	
ContractSubType	NVARCHAR	250	NULL	NULL	NULL	1	
ContractScope	NVARCHAR	-1	NULL	NULL	NULL	1	
ERPSyncStatus	NVARCHAR	50	NULL	NULL	NULL	1	
EffectiveDate	DATETIME OFFSET	NULL	NULL	NULL	7	1	
TerminationNoticeTime	INT	NULL	10	0	NULL	1	
DateTerminationCommunicated	DATETIME OFFSET	NULL	NULL	NULL	7	1	
Discipline	NVARCHAR	200	NULL	NULL	NULL	1	
PackageId	BIGINT	NULL	19	0	NULL	1	
PackageDescription	NVARCHAR	-1	NULL	NULL	NULL	1	
VendorId	BIGINT	NULL	19	0	NULL	1	
VendorDisplay	NVARCHAR	250	NULL	NULL	NULL	1	
VendorName	NVARCHAR	250	NULL	NULL	NULL	1	
CurrencyCode	NVARCHAR	50	NULL	NULL	NULL	1	
LDSubmittalsCapPercent	DECIMAL	NULL	16	5	NULL	1	
LDSubmittalsCapValue	DECIMAL	NULL	16	5	NULL	1	
LDDeliverableCapPercent	DECIMAL	NULL	16	5	NULL	1	
LDDeliverableCapValue	DECIMAL	NULL	16	5	NULL	1	
OriginalValue	DECIMAL	NULL	16	5	NULL	1	
CurrentValue	DECIMAL	NULL	16	5	NULL	1	
RemainingToBuy	DECIMAL	NULL	16	5	NULL	1	
PublishedDate	DATETIME OFFSET	NULL	NULL	NULL	7	1	
CreatedDate	DATETIME OFFSET	NULL	NULL	NULL	7	0	
CreatedBy	NVARCHAR	402	NULL	NULL	NULL	1	
UpdatedBy	NVARCHAR	402	NULL	NULL	NULL	1	
DiversityParticipation	VARCHAR	3	NULL	NULL	NULL	0	
TotalVCOCount	INT	NULL	10	0	NULL	1	
ExecutedVCOCount	INT	NULL	10	0	NULL	1	
PotentialVCOCount	INT	NULL	10	0	NULL	1	
ExecutedVCOAmount	DECIMAL	NULL	38	5	NULL	1	
PotentialVCOAmount	DECIMAL	NULL	38	5	NULL	1	
TotalBackCharge	DECIMAL	NULL	38	5	NULL	1	
PaidToDate	DECIMAL	NULL	38	5	NULL	0	
ReceivedToDate	DECIMAL	NULL	38	5	NULL	0	
InvoicedToDate	DECIMAL	NULL	38	5	NULL	0	
ReleasedToDate	DECIMAL	NULL	38	5	NULL	0	
RetainedToDate	DECIMAL	NULL	38	5	NULL	0	
ApprovalStatus	NVARCHAR	50	NULL	NULL	NULL	0	
Approvers	NVARCHAR	-4	NULL	NULL	NULL	Removed	
IsActive	BIT	NULL	NULL	NULL	NULL	0	

IncludeInReporting	BIT	NULL	NULL	NULL	NULL	1	
IsMasterPurchaseAgreementContract	BIT	NULL	NULL	NULL	NULL	0	
MasterPurchaseAgreementId	BIGINT	NULL	NULL	NULL	NULL	1	
AgreementNumber	NVARCHAR	500	NULL	NULL	NULL	1	
AgreementValue	DECIMAL	NULL	16	5	NULL	1	
ModifiedDate	DATETIME OFFSET	NULL	NULL	NULL	7	1	

Field Descriptions

Column Name	Description	Example
ContractId	Unique identifier of a contract within InEight	7100000020
ContractDescription	Contract title/description.	EA-02 American Fence Company, Inc.
ProjectId	Project Id of the contract.	47
ProjectDisplay	Project display number	103552
ProjectName	Name of the project	Santa Anita Dam Spillway
OrganizationId	Organization Id of the project	2
ContractStatus	Current status of the contract	Executed
ContractType	Contract type	Rental agreement
ContractSubType	Contract sub type	Rent to purchase
ContractScope	Scope of the contract	
ERPSyncStatus	Last sync status with the ERP system	Success
EffectiveDate	Date contract is effective	2017-12-13 00:00:00.0000000 +00:00
TerminationNoticeTime	Number of days in which contract is going to be terminated from date termination communicated	15
DateTerminationCommunicated	Contract termination communicated date communicated	2018-05-17 00:00:00.0000000 +00:00
Discipline	Discipline to which the contract belongs.	Construction Equipment
PackageId	Package ID associated with the contract.	542
PackageDescription	Package name.	AFC, Inc. Fence Rental
VendorId	Contract vendor unique identifier	6147
VendorDisplay	Vendor display number	0010001286
VendorName	Contract vendor name	American Fence Co Inc
CurrencyCode	Contract currency code	USD
LDSubmittalsCapPercent	Maximum liquidated damages submittals percent that can be assessed on the contract for Submittals delivery type.	5
LDSubmittalsCapValue	Maximum liquidated damages submittals value that can be assessed on the contract for Submittals delivery type.	10000
LDDeliverableCapPercent	Maximum liquidated damages submittals percent that can be assessed on the contract for Deliverable delivery type.	4
LDDeliverableCapValue	Maximum liquidated damages submittals percent that can be assessed on the contract for Deliverable delivery type.	2500
OriginalValue	Contract original value	500000

CurrentValue	Contract current value with adjustment to line items and change orders	560000.74
RemainingToBuy	Total contract remaining to buy amount. From contract module.	14,000.55
PublishedDate	Last ERP sync date.	2019-04-25
CreatedDate	Contract created date	2018-03-05 18:37:55.0352529 +00:00
CreatedBy	Full name of the person who created the contract	Swadesh Subedi
UpdatedBy	Full name of the person who last updated the contract	Swadesh Subedi
DiversityParticipation	Indicates whether the contract vendor is a diversity participant or not.	Yes
TotalVCOCCount	Total number of vendor change orders in the contract – excluding dropped VCOs.	7
ExecutedVCOCCount	Total number of executed vendor change orders in the contract.	2
PotentialVCOCCount	Total number of potential vendor change orders in the contract – excludes executed and dropped statuses.	5
ExecutedVCOAmount	Total amount of all executed VCOs	20000
PotentialVCOAmount	Total amount of all potential VCOs – excludes dropped.	40000.74
TotalBackCharge	Total back charge amount in the contract.	3500
PaidToDate	Total payment made for all invoices.	63487
ReceivedToDate	Total goods received amount for the contract.	55000
InvoicedToDate	Total invoiced amount	62500
ReleasedToDate	Total retention released amount	5000
RetainedToDate	Total amount retained	9000
ApprovalStatus	Workflow approval status for the contract	Approved
Approvers	Role/User responsible for approving the contract	Julie Parks
IsActive	Indicates if the record is active or has been soft deleted	1 = Active 0 = Inactive
IncludeInReporting	Indicates whether the contract is set for primary reporting or not	1 = Primary reporting 0 = Not primary
IsMasterPurchaseAgreementContract	Flag for MasterPurchaseAgreementContract	1 = Master Purchase Agreement to Contract 0 = Not Master Purchase Agreement to Contract
MasterPurchaseAgreementId	Uniques Identifier for MasterPurchaseAgreement	4002
AgreementNumber	Agreement Display Number	4300006074
AgreementValue	Total Agreement Value	77540.25000
ModifiedDate	Last modified date from all fields	2019-04-25 11:28:43.5301374 +00:00

Sample

```
{
  "ContractId":7400000221,"ContractDescription":"Aggregate - Concrete",
  "ProjectId":201,"ProjectDisplay":"103784",
  "ProjectName":"YVR De-Icing Pad",
  "OrganizationId":52,"ContractStatus":"Draft",
  "ContractType":"Material contract",
  "ContractSubType":"Rent to purchase",
  "ContractScope":"Aggregate for
```



```
Concrete Batching", "ERPSyncStatus":null, "EffectiveDate": "2018-06-05T00:00:00Z", "TerminationNoticeTime":null, "DateTerminationCommunicated":null, "Discipline":null, "PackageId":1564, "PackageDescription": "Aggregate - Concrete", "VendorId":62691, "VendorDisplay": "0010003656", "VendorName": "Mainland Sand & Gravel LTD", "CurrencyCode": "CAD", "LDSubmittalsCapPercent":null, "LDSubmittalsCapValue":null, "LDDeliverableCapPercent":null, "LDDeliverableCapValue":null, "OriginalValue":null, "CurrentValue":null, "CreatedDate": "2018-06-05T02:13:58.0282179Z", "CreatedBy": "Garrett Whitehead", "UpdatedBy":null, "DiversityParticipation": "No", "TotalVCOCount":null, "ExecutedVCOCount":null, "PotentialVCOCount":null, "ExecutedVCOAmount":null, "PotentialVCOAmount":null, "TotalBackCharge":null, "PaidToDate":0.00000, "ReceivedToDate":0.00000, "InvoicedToDate":0.00000, "ReleasedToDate":0.00000, "RetainedToDate":0.00000, "ApprovalStatus": "Not Started/Not Applicable", "Approvers": "", "IsActive":true, "IncludeInReporting":null, "IsMasterPurchaseAgreementContract":null, "MasterPurchaseAgreementId":null, "AgreementNumber":null, "AgreementValue":null, "ModifiedDate": "2019-05-24T12:33:04.5819314Z"
}
```

Data Validation

Contract summary and details information are available in the Contract View in Contract module. Contract specific details can be pulled by selecting a contract and then clicking on the (information) icon. All contracts in the Contract summary page are active contracts. Contracts that are inactive will have the "IsActive" flag set to 0. This can be validated by querying against the l8Contract.Contract base table.

ID	Description	Type	Status	Approval status	ERP sync	Vendor name	Original v..	Current value	Paid to date	Retained to date	Added by	Added on	Vendor n..
7400001191	test 682671	Material contract	Executed	Approved	Success	Byrons Office Equ..	\$1,419.00	\$1,679.00			Sandeep Pal	04/30/2019	0010046231
7400001145	CI	Material contract	Draft	Recalled		Byrons Office Equ..	\$80,000.00	\$80,000.00			Bhushan Doddi	04/25/2019	0010046231
7400001144	Add but no edit	Material contract	Draft	Not started		Byrons Office Equ..	\$0.00	\$0.00			nagesh rao	04/25/2019	0010046231
7400001133	testing 1_23	Material contract	Executed	Not started	Failure	Byrons Office Equ..	\$1,121.00	\$1,121.00			Sandeep Pal	04/23/2019	0010046231
7400001130	Test_Workflow 1	Material contract	Executed	Not applicable	Success	Byrons Office Equ..	\$1,000.00	\$1,700.00			Ajay GK	04/23/2019	0010046231
7400001122	Contract_Test_Ma..	Material contract	Draft	In approval - s..		Byrons Office Equ..	\$11,000.00	\$11,000.00			Bhushan Doddi	04/19/2019	0010046231
7400001108	Contract 1 test	Material contract	Draft	Not started		Global Surety & In..	\$0.00	\$0.00			Johnathon Harper	04/15/2019	0000001028
7400001107	testing 1.1	Material contract	Executed	Not applicable	Success	Byrons Office Equ..	\$10.00	\$10.00	\$211.00	\$121.00	Shilpa DP	04/12/2019	0010046231
7400001106	Contract_Test_Ma..	Material contract	Executed	Not applicable	Success	Byrons Office Equ..	\$1,000.00	\$1,000.00			Ajay GK	04/12/2019	0010046231
7400001105	data 1	Material contract	Executed	Not applicable	Success	Global Surety & In..	\$10.00	\$110.00			Ajay GK	04/12/2019	0000001028
7400001104	data 1	Material contract	Executed	Not applicable	Success	Global Surety & In..	\$10.00	\$20.00			Shilpa DP	04/12/2019	0000001028
7400001102	Contract_Lineitema	Material contract	Executed	Not applicable	Success	Byrons Office Equ..	\$100.00	\$100.00			nagesh rao	04/11/2019	0010046231
7400001101	Contract_Lineitema	Material contract	Executed	Not started	Sent to ERP	Byrons Office Equ..	\$100.00	\$100.00			Ajay GK	04/11/2019	0010046231
7400001098	Contract_Test_Ma..	Material contract	Executed	Not started	Sent to ERP	Byrons Office Equ..	\$1,000.00	\$1,000.00			Bhushan Doddi	04/09/2019	0010046231
7400001097	Contract_Test_Ma..	Material contract	Draft	Not started		Byrons Office Equ..	\$22,000.00	\$22,000.00			Bhushan Doddi	04/09/2019	0010046231
7400001096	Contract_Test_Ma..	Material contract	Executed	Not started	Sent to ERP	Byrons Office Equ..	\$1,000.00	\$1,000.00			Ajay GK	04/09/2019	0010046231
7400001084	Test_SyncLogdat..	Material contract	Executed	Not started	Sent to ERP	Byrons Office Equ..	\$100.00	\$110.00	\$101.00	\$16.00	Ajay GK	03/29/2019	0010046231
7400001083	CI	Material contract	Draft	Not started		PTI Manitoba Inc	\$0.00	\$0.00			Bhushan Doddi	03/27/2019	0010067446

Figure 1: Contract summary page

7200000002 - Mainelli Mechanical...
✕

Mainelli Mechanical Contractors, Inc

Original value	\$1,182,600.00
Current value	\$1,254,790.00

[View line items](#)

Contract status	Executed
Approval status	Not applicable
Type	Subcontract
Discipline	Subcontracts
Effective date	11/08/2017

TOTALS

Number of change orders	1
Change order total	\$72,190.00
Number of potential change orders	0
Potential change order total	\$0.00

[View change orders](#)

Default retention	0.00%
Contract retention	7.50 % \$94,109.25
Retention retained to date	\$15,358.50
Retention released to date	
Received to date	\$0.00
Invoiced to date	\$153,585.00
Paid to date	\$96,361.20

Figure 2: Contract detail