INEIGHT®

Account Setup and Maintenance Integration Specification

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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	09-SEP-2018	Initial release.	
2.0	23-0CT-2018	Field Descriptions table - DisplayUserId: Deleted last paragraph in the description.	
	04-DEC-2018	Updated description of Employeeld in the Users integration to reference the Display Id instead of Source System Id.	
	24-APR-2019	Updated to latest template. Added User Role Assignment API details	
3.0	02-MAY-2019	Published release.	
4.0	09-MAY-2019	Added IsExternalUser field to <u>Users</u> . Published release.	
5.0	30-JAN-2020	Added information about updating records in <u>Users.</u> Added <u>Organizations</u> integration. Added <u>Account Codes</u> . Removed Organizations (Get) from <u>Overview</u> . Published revision (Release 19.11).	
6.0	21-SEP-2020	Added <u>Source System ID Considerations</u> section to Users. Published revision (Release 20.7)	
7.0	21-OCT-2020	Added <u>User Delete</u> and <u>Update User Source System ID</u> integrations. Published revision (Release 20.9)	
8.0	29-JAN-2021	Deleted unused fields DisplayUserId, DateFormat, DecimalFormat, Language in <u>Users</u> . Added AccountCode_Get integration to <u>Account Codes</u> . Added ReplaceAccountCodeSourceSystemId, AccountCodeOperationType fields to AccountCode_Import in <u>Account Codes</u> . Published revision (Release 20.11)	
9.0	22-SEP-2021	Added <u>Roles</u> integrations. Added <u>Users (Get)</u> integration. Published revision (Release 21.7)	
10.0	25-OCT-2021	Updated NOTE in <u>Updating a User Record</u> about changing EmailAddress. Published revision (Release 21.10)	
11.0	11-MAY-2022	Added process flow information to <u>Delete Users</u> . Published revision (Release 22.2)	
12.0	03-0CT-2022	Clarified description for AdminLevel field in <u>Roles</u> . Published revision	
13.0	19-SEP-2023	Clarified description for DisplayUserId, VendorCode, and EmployeeId fields in <u>Users</u> . Clarified description for DisplayId, field in <u>Account Codes</u> . Clarified description for AdminLevel and SourceSystemName fields in <u>Roles</u> . Published revision.	



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Overview

This document describes integrations that can be used to initially set up in the InEight cloud platform for a customer and maintain specific entities that are required for continued operation of the account.

Integrations in this Document

Integration	Description				
Users	The Users integrations allow the customer to manage information about the people that have login credentials and access to the InEight cloud platform from a third-party system, such as a Human Capital Management (HCM) tool.				
Delete Users	The Delete Users integration allows a customer to delete a single record or multiple records that can be scheduled via an external system or done manually in the integration. The deletion can be done whether the user's status is active or inactive, and there is no restriction on the number of User records that can be deleted through a bulk delete action.				
Update User SSID	The Update User SSID integration allows users to edit and change the Source System ID in single record or multiple records that can be scheduled via an external system or done manually in the integration. There is no restriction on the number of SSIDs that can be updated through the API.				
User Role Assignment	The User Role module in the InEight cloud platform is used to assign roles to users. Rather than assign individual permissions directly to each user, permissions are grouped into roles. User Role can define one or more roles to a user, and then grant permissions to each role in the cloud platform. There can also be an administrator role that is automatically assigned with all permissions.				
Organizations	The Organizations integration allows customers to maintain a synchronized list of the organization hierarchy structure within a company used for the assignment of roles and permissions, assignment of projects, and for reporting.				
Account Codes	The Account Codes (Import and Get) integrations allow customers to create and maintain their master list of account codes that can be used for business functions in multiple InEight cloud applications. Any new account codes and updates to account codes performed using these APIs are automatically published (instead of being staged) and are immediately available for use in InEight cloud applications.				

Related Integrations

Integration	Description	Document
Employees	Anyone can be either a user, an employee, or both a user and an employee in the InEight cloud platform. Users have specific login credentials and are licensed to use the products and functionality. Employees are resources within the cloud platform that are included in specific lists and can be assigned to work. For example, when creating a daily plan in InEight Plan an employee can be assigned to work items and time can be recorded for them. Users are not resources and cannot be assigned to work to items.	Master Data for Employees



Users

The Users integrations allow the customer to create and maintain information about the people that have login credentials and access to the InEight cloud platform from a third-party system, such as a Human Capital Management (HCM) tool.

NOTE When a new user is created via User_Import (or the UI), the Default role is assigned to a user, which is read-only and cannot be edited.

Direction		To the InEight cloud platform.			
Frequency		Determined by external system.			
Trigger Methods		Determined by external system.			
Average Payload Size		Entire entity – Thousands of records. Entity delta – Less than 100 records, but dependent on what triggers a delta and how often the data is collected.			
API Name		Users_Import			
InEight	Starting Version	18.3			
Application	Ending Version				

Users (Import)

Users (Get)

Direction		From InEight cloud platform to external ERP.			
Frequency		Determined by external system.			
Trigger Methods		Determined by external system.			
Average Payload Size		Entire entity – Thousands of records. Entity delta – Less than 100 records, but dependent on what triggers a delta and how often the data is collected.			
API Name		Users_Get			
InEight	Starting Version	21.7			
Application	Ending Version				



Fields

Depth	Name	Туре	Precision	Parent	Req.
1	FirstName	String	100		Yes
1	LastName	String	100		Yes
1	EmailAddress ¹	String	200		Yes
1	IsActive	Boolean	NA		No
1	DisplayUserId	String	50		No
1	WorkNumber	Array	30		No
1	MobileNumber	String	30		No
1	SourceSystemId	String	50		No
1	SourceSystemName	String	50		No
1	VendorCode	String	250		No
1	EmployeeId	String	50		No
1	DateFormat	NA	NA		No
1	DecimalFormat	NA	NA		No
1	Language	NA	NA		No
1	IsExternalUser	Boolean	NA		No
1	StartDate ²	String	25		No
1	EndDate ²	String	25		No

1 - Natural Key field.

2 - The data format for Date/Time fields is YYYY-MM-DDTHH:MM:SS<u>+</u>hhmm, where hhmm is the time zone offset. If the time is already converted to UTC, then the offset will be +0000.

Field Descriptions

Name	Description	Example
FirstName	Full first name of the user.	Jalen
LastName	Full last name of the user.	Smith
EmailAddress	Email address of the user that must be a unique identifier.	jsmith@gmail.com
IsActive	Sending a value of false in this field causes the record to be soft deleted from the InEight cloud platform. If a value is not provided, the default value true is used.	true
DisplayUserId	Identifier that can be used privately if provided by the external system and does not show in the UI. If no value is entered, email address is used.	jsmith@gmail.com



Name	Description	Example
WorkNumber	Valid phone number for the user at their work location. This is the Office number field in the UI.	555-555-5555
MobileNumber	Valid mobile phone number for the user.	555-555-5555
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 display in normal use of InEight cloud platform and can contain internal identifiers such as a GUID that is not understood by typical system users. See <u>Source</u> <u>System ID</u> for additional information.	6546774
SourceSystemName	Unique name assigned to the system of record by the InEight cloud platform that matches the external system using the integration.	SAPHNC
VendorCode	Identifies a vendor that exists in master data and shows as the ID in the UI. Users with a VendorCode are managed by the associated vendor and their availability is limited to that vendor.	BASE
EmployeeId	For users who are also operational resources (<i>i.e.,</i> a user that enters time via weekly timesheet or daily plans) this is the Employee ID listed in their operational resource record. This ID must already exist in Master data library > Operational resources > Employees.	6413444
DateFormat	Not used. Reserved for future functionality.	NA
DecimalFormat	Not used. Reserved for future functionality.	NA
Language	Not used. Reserved for future functionality.	NA
IsExternalUser	Determines if the user record represents a guest account with an email domain that is different from the customer's active directory. This field defaults to false if a value is not provided.	false
StartDate	Date that a user first has access to the InEight cloud platform. If not provided, the date of when the record is received is used.	2017-07- 13T00:00:00+0000
EndDate	Date when access to the InEight cloud platform for the user ends. If not provided, a default end date of 12/31/9999 is used. NOTE: If needed, a future date can be used for this field.	9999-12- 31T00:00:00+0000

Source System ID

The SourceSystemID for a user should remain constant regardless of any changes that are made to the user's information in the source system. For example, if the SourceSystemId is tied to the name or email address of a user and either one changes, then SourceSystemId is also subject to change.



It is strongly recommended not to use the same ID as an associated Employee record. There are instances where the SourceSystemId of an employee might need to change, such as relocating to a different country, which could require a new record in the source system. If the user and associated employee have the same SourceSystemId and the User record needs to change because of a change to the employee, this could result an issue where the source system can no longer keep track of the user's SourceSystemId.

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 within 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
API Validation	Valid Payload	200	
API Validation	Require fields are not provided. Possible < <field name="">> options: FirstName LastName EmailAddress</field>	400	The request is invalid. The [Field Name] Field is required.
API Validation	Provided data exceeds the string size. Possible < <field name="">> options: • FirstName • LastName • EmailAddress • DisplayUserId • MobileNumber • SourceSystemId • SourceSystemName • VendorCode • EmployeeId • StartDate • EndDate</field>	400	The request is invalid. The field [Field Name] must be a string with a maximum length of [String Length]. Message: The request is invalid.
Entity Logic Validation	Payload has more than one record with same SourceSystemId/DisplayId	200	"Duplicate Email/SourceSystemId found. Aborting the process."
Entity Logic Validation	Payload has invalid VendorId	200	"Invalid Vendor {SourceSystemId}/VendorId {VendorId} for Users {FirstName}"
Entity Logic Validation	Payload has invalid EmployeeId	200	"Invalid Employee {EmployeeDisplay}/EmployeeId {EmployeeId} for Users {FirstName}"
Entity Logic Validation	Payload has invalid CountryISOCode	200	"Invalid country {CountryISOCode} for Users {FirstName}



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API/Entity Logic	Condition	Code	Message
Entity Logic Validation	Payload has invalid RegionISOCode	200	"Invalid region {RegionISOCode} for Users {FirstName}"
Entity Logic Validation	Payload has conflict with uniqueness on SourceSystemId or DisplayId with existing data	200	"Duplicate found in SourceSystemId or DisplayId for '{Display}'"
Entity Logic Validation	Payload has Invalid User while inserting	200	"Ignoring invalid user having Email '{Email}' for adding"
Entity Logic Validation	Payload has Invalid User while Updating	200	"Ignoring invalid user having email '{Email}' for update"
Entity Logic Validation	user_startDate is less than user_endDate	200	"{validationMessage} for Users {FirstName}"
Entity Logic Validation	Valid Payload	200	"Imported {resultsCount} of {itemsCount} Users entities: Adds({addsCount}) Updates({updatesCount}) Deletes({deletesCount}) Errors(0) Skipped({itemsCount - resultsCount})"



Sample JSON

New User Record

```
Γ
  {
  "FirstName": "John",
  "LastName": "Smith",
  "EmployeeId": "00001613",
  "IsActive": true,
  "DisplayUserId": "",
  "EmailAddress": "john.smith@abcompany.com",
  "WorkNumber": "",
  "MobileNumber": "",
  "SourceSystemId": "00001613",
  "SourceSystemName": "CLNTERPSOU",
  "VendorCode": "BASE",
  "DateFormat": "",
  "DecimalFormat": "",
   "IsExternalUser": false,
  "Language": "",
  "StartDate": "2017-07-13T00:00:00+0000",
  "EndDate": "9999-12-31T00:00:00+0000"
```

Updating a User Record

CAUTION	Because the Rest method for this API is POST and not PATCH, the processing logic will default a NULL or empty string for fields that are not provided and overwrite any previously existing data in the record.
NOTE	When updating User records, it is possible to provide only the fields that require a new value along with all required fields for the API (LastName, FirstName, EmailAddress). However, when the original User record was created using this API, and a SourceSystemId was provided for the record, the SourceSystemId must also be considered a required field in the update request. This ensures the record matching logic has all available values to identify the correct User record to update. IMPORTANT: If only EmailAddress is changed either via API or UI, the user will not receive the system generated email notification about the change.

Updating Employeeld for Users created in UI



Updating Employeeld for Users with SourceSystemId values

```
[
  {
    "FirstName": "Stacie",
    "LastName": "Brando",
    "EmailAddress": "sbrando@somewhere.com",
    "SourceSystemId": "sbrando7777"
    "EmployeeId": "77778886"
    }
]
```

Verification

Users added through integration are shown on the Suite administration > User management page.

Ecit user		User	management 💌				?	8
4 8							()	Q
First name 👳	Last name		Email 👳	1	Status		Last login	\pm 0
Kyle	Hirschman		KYLE.HIRSCHMAN@KIEWIT.COM	1	Active		06/04/2018 5:26:56 PM	^
Christopher	Hirschmann		CHRIS.HIRSCHMANN[8KIEWIT.COM		Inactive			
Spencer	Hirschi		SPENCER HIRSCHIGKIEWIT.COM	1	Active			
george	hirsch		george.hirsch@ineight.com	1	Active		04/29/2019 2:22:18 PM	
	First name 📃 Kyle Christopher Spencer	First name East name Kyle Hirschmann Christopher Hirschi Spencer Hirschi	First name Last name Kyle Hirschman Christopher Hirschmann Spencer Hirschi	First name Last name Email Kyle Hirschman KYLE HIRSCHMAN@KIEWIT.COM Christopher Hirschmann CHRIS HIRSCHMAN@KIEWIT.COM Spencer Hirschi SPENCER.HIRSCH@KIEWIT.COM	First name Last name Email Kyle Hirschman KYLE HIRSCHMAN@KIEWIT.COM Christopher Hirschi CHRIS.HIRSCHMAN@KIEWIT.COM Spencer Hirschi SPENCER.HIRSCH@KIEWIT.COM	First name Last name Email Status Kyle Hirschman KYLE HIRSCHMAN@KIEWIT.COM Active Christopher Hirschmann CHRIS.HIRSCHI@KIEWIT.COM Inactive Spencer Hirschi SPENCER.HIRSCHi@KIEWIT.COM Active	First name Last name Email Status Kyle Hirschman KYLE HIRSCHMAN®KIEWIT.COM Active Christopher Hirschman CHRIS.HIRSCHMAN®KIEWIT.COM Inactive Spencer Hirschi SPENCER.HIRSCH@KIEWIT.COM Active	Constant Constant

To view User record details, select a record on the User management page, and then click the Information icon.

	000 - PKS Inc				
ser	management			0	
				MR Bulk 1191 D	EMO
	First name 👘	Last name	The second secon	Email address	Test1191@ineight.c
3	MR Bulk 1187	DEMO	Test1187gineight.com	Employee ID	
3	MR Bulk 1188	DEMO	Test1188gineight.com	Status Start date	Active 07/23/2018 12/31/9999
3	MR Bulk 1189	DEMO	Test118k@ineight.com	End date	
3	MH Bulk 1190	DEMO	Test1190@ineight.com	Verdor Office number Mobile number	
3	MR Bulk 1191	DEMO	Test1191@ineight.com		
	MR Bulk 1192	DEMO	Test1192@ineight.com	Country / Region	
7	MR Bulk 1192	DEMO	Test1193@ineight.com	Address 1	
	MR Bulk 1194	DEMO	Text1194@ineight.com	Address 2 City	
0	MR Bulk 1195	DEMO	Test1195gineight.com	Dtate	
0	MR Bulk 1196	DEMO	Test1196gineight.com	Postal / Zip code Last login date	
3	MR Bulk 1197	DEMO	Test1197gineight.com		
3	MR Bulk 1798	DEMO	Test1198gineight.com	ROLES AND PERMISSIONS	
3	MR Dulk 1199	DEMO	Test1199gineight com		



Delete Users

The Delete Users integration allows a customer to delete a single record or multiple records that can be scheduled via an external system or done manually in the integration. The deletion can be done whether the user's status is active or inactive, and there is no restriction on the number of User records that can be deleted through a bulk delete action. The record deletion is done by setting IsActive to *false*, and any system records used to authenticate the user against Active Directory (Login User table) is inactivated. Validation is provided to ensure that a user cannot delete their own record.

If a contact is promoted to a user, and then later removed, the delete user API code is used to check if the user is linked to any contacts and those links are removed. At the contact level the IsUser field is set to *false*. After the links are removed, the contact can again be promoted to a user just like any other contact. This flow is applied when a user is deleted in UI or through the external API.

Direction		To the InEight cloud platform.
Frequency		Determined by external system.
Trigger Methods		Determined by external system.
Average Payload Size		Entire entity – Thousands of records. Entity delta – Less than 100 records, but dependent on what triggers a delta and how often the data is collected.
API Name		Users_Delete
Cloud	Starting Version	20.9
Platform	Ending Version	

Fields

Depth	Name	Туре	Precision	Parent	Req.
1	SourceSystemId ¹	String	200		Yes

1 - Natural Key field.

Field Descriptions

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 display in normal use of InEight cloud platform and can contain internal identifiers such as a GUID that is not understood by typical system users.	6546774



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 within 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
API Validation	Valid Payload	200	
API Validation	Require fields are not provided. Possible < <field name="">> options: • SourceSystemId</field>	400	The request is invalid. The [Field Name] Field is required.
API Validation	Provided data exceeds the string size. Possible < <field name="">> options: • SourceSystemId</field>	400	The request is invalid. The field [Field Name] must be a string with a maximum length of [String Length]. Message: The request is invalid.
Entity Logic Validation	Payload has more than one record with same SourceSystemId/DisplayId	200	"Duplicate Email/SourceSystemId found. Aborting the process."
Entity Logic Validation	Payload has conflict with uniqueness on SourceSystemId or DisplayId with existing data	200	"Duplicate found in SourceSystemId or DisplayId for '{Display}'"
Entity Logic Validation	Valid Payload	200	"Imported {resultsCount} of {itemsCount} Users entities: Adds({addsCount}) Updates({updatesCount}) Deletes({deletesCount}) Errors(0) Skipped({itemsCount - resultsCount})"

Sample JSON

```
{
"SourceSystemId": "00001613",
}
```



Update User SSID

The Update User SSID integration allows users to edit and change the Source System ID in a single record or multiple records that can be scheduled via an external system or done manually in the integration. This API impacts Users_Import and Users_Get APIs only. There is no restriction on the number of SSIDs that can be updated through the API.

Direction		To the InEight cloud platform.
Frequency		Determined by external system.
Trigger Methods		Determined by external system.
Average Payload Size		Entire entity – Hundreds of records. Entity delta – Less than 100 records, but dependent on what triggers a delta and how often the data is collected.
API Name		User_UpdateUserSourceSysteID
Cloud Starting Version		20.9
Platform	Ending Version	

Fields

Depth	Name	Туре	Precision	Parent	Req.
1	EmailAddress	String	200		Yes
1	SourceSystemId ¹	String	200		Yes

1 - Natural Key field.

Field Descriptions

Name	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 display in normal use of InEight cloud platform and can contain internal identifiers such as a GUID that is not understood by typical system users.	6546774
EmailAddress	Email address of the user that must be a unique identifier.	jsmith@gmail.com



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 within 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
API Validation	Valid Payload	200	
API Validation	Require fields are not provided. Possible < <field name="">> options: • SourceSystemId</field>	400	The request is invalid. The [Field Name] Field is required.
API Validation	Provided data exceeds the string size. Possible < <field name="">> options: • SourceSystemId</field>	400	The request is invalid. The field [Field Name] must be a string with a maximum length of [String Length]. Message: The request is invalid.
Entity Logic Validation	Payload has more than one record with same SourceSystemId/DisplayId	200	"Duplicate Email/SourceSystemId found. Aborting the process."
Entity Logic Validation	Payload has conflict with uniqueness on SourceSystemId or DisplayId with existing data	200	"Duplicate found in SourceSystemId or DisplayId for '{Display}'"
Entity Logic Validation	Valid Payload	200	"Imported {resultsCount} of {itemsCount} Users entities: Adds({addsCount}) Updates({updatesCount}) Deletes({deletesCount}) Errors(0) Skipped({itemsCount - resultsCount})"

Sample JSON

New User Record

```
[
  {
    {
        SourceSystemId": "00001613",
        "EmailAddress": "sbrando@somewhere.com"
    }
]
```



Updating a User Record

CAUTION Because the Rest method for this API is POST and not PATCH, the processing logic will det NULL or empty string for fields that are not provided and overwrite any previously existing in the record.			
NOTE	When updating User records, it is possible to provide only the fields that require a new value along with all required fields for the API (LastName, FirstName, EmailAddress). However, when the original User record was created using this API, and a SourceSystemId was provided for the record, the SourceSystemId must also be considered a required field in the update request. This ensures the record matching logic has all available values to identify the correct User record to update.		

Updating Employeeld for Users created in UI



Updating EmployeeId for Users with SourceSystemId values

```
[
{
    "FirstName": "Stacie",
    "LastName": "Brando",
    "EmailAddress": "sbrando@somewhere.com",
    "SourceSystemId": "sbrando7777",
    "EmployeeId": "77778886"
}
```

Verification

Users added through integration are shown on the Suite administration > **User management** page.

(E)	Edit user	•	User	management 💌			0	8
۲							()	۹
	First name 👳	Last name		Email 👳	5	Itatus	Last login	\pm 0
	Kyle	Hirschman		KYLE.HIRSCHMAN@KIEWIT.COM	A	Active	06/04/2018 5:26:56 PM	^
	Christopher	Hirschmann		CHRIS.HIRSCHMANN@KIEWIT.COM	ł	nactive		
	Spencer	Hirschi		SPENCER HIRSCHIGKIEWIT.COM	A	Active		
	george	hirsch		george.hirsch@ineight.com	A	Active	04/29/2019 2:22:18 PM	



To view User record details, select a record on the **User management** page, and then click the **Information** icon.

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5300	000 - PKS Inc				_
User	management			(
				MR Bulk 1191 D	EMO ×
	First name 10	Last same	True Cruel	Email address	Test1191@ineight.c.
	MR Bulk 1187	DEMO	Test1187@ineight.com	Employee ID	
	MR 8uik 1188	DEMO	Test1188@ineight.com	Status Start date	Active 07/23/2018
	MR Bulk 1189	DEMO	Text1181@ineight.com	End date	12/31/9999
	MR Bulk 1290	DEMO	Test1190@ineight.com	Verdor	
2	MR Bulk 1191	DEMO	Test1191@ineight.com	Office number Mobile number	
0	MR Bulk 1192	DEMO	Text1192@ineight.com	Country / Region	
	MR Bulk 1192	DEMO	Test1193@ineight.com	Address 1	
	MR 8ulk 1194	DEMO	Test1194@ineight.com	Address 2 City	
	MR Bulk 1295	DEMO	Test1195@ineight.com	State	
	MR Bulk 1196	DEMO	Test1196@ineight.com	Postal / Zip code	
Ċ	MR Bulk 1197	DEMO	Test1197gineight.com	Last login date	
	MR Bulk 1798	DEMO	Test1198@ineight.com	ROLES AND PERMISSIONS	
	MR Dulk 1199	0EM0	Test119kgiuwight.com		1



User Role Assignment

The User Role module in the InEight cloud platform is used to assign roles to users. Rather than assign individual permissions directly to each user, permissions are grouped into roles. UserRole can define one or more roles to a user, and then grant permissions to each role in the cloud platform. There can also be an administrator role that is automatically assigned with all permissions.

Direction		To the InEight cloud platform.				
Frequency		Integration occurs each time users are created and assigned to a role, or a role assignment to a user is changed.				
Trigger Methods		Determined by external system				
Average Payload Size		Entire entity – Thousands of records. Entity delta – Less than 100 records, or hundreds of records depending on the scope of the role changes				
APIM Name	•	UserRole_Import				
Cloud	Starting Version	18.4				
Platform	Ending Version					

1 – Integration can accept a single file of all records as an initial push of data, or to replace all data to resynchronize systems.

2 – Integration accepts files with one or more records representing changes (new, change, delete) to the data set.

Fields

Depth	Name	Туре	Precision	Parent	Req.
1	RoleName	String	100		Yes
1	UserSourceSystemId	String	200		Yes
1	ProjectSourceSystemId	String	200		No
1	OrganizationSourceSystemId	String	300		No
1	IsActive	Boolean	NA		No

Field Descriptions

Name	Description	Example		
RoleName	Name of the role that will be assigned to the user. The name provided in this field must match an existing role within the InEight cloud platform.	Contract Administrator		
UserSourceSystemId	SourceSystemId of an existing user within the InEight cloud platform.	johndoe@webuildthings .com		



Name	Description	Example
ProjectSourceSystemId	SourceSystemId of an existing project in the InEight cloud platform. This sets the permissions associated to the role to only this project. If the role should be assigned to multiple projects for the user, then multiple records must be sent. If the user should have the role assigned to all projects that fall beneath a specific organization level, then use the OrganizationSourceSystemId field instead. NOTE: You can use ProjectSourceSystemId or OrganizationSourceSystemId, but not both.	654677
OrganizationSourceSystemId	SourceSystemId of an existing organization within the InEight cloud platform. This grants the permissions associated to the role to all projects that hierarchically fall under this organization. NOTE: You can use OrganizationSourceSystemId or ProjectSourceSystemId, but not both.	BLDWEST
IsActive	Entity association inbound: Sending a value of <i>false</i> in this field will cause the association of user to role to be soft deleted. If a value is not provided, the default value true is used.	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 within 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
API Validation	Valid Payload	200	
API Validation	Required Fields are not Provided. [Field Name] options are: • UserId	400	The request is invalid. The [Field Name] Field is required.
Entity Logic Validation	Payload data is Empty	400	No Content
Entity Logic Validation	Payload has invalid UserId	400	Entity not Found.
Entity Logic Validation	Payload has more than one with same roles record	400	Duplicate Entity Exist
Entity Logic Validation	Payload has Roleid if it is inactive	400	Entity not Found.



API/Entity Logic	Condition	Code	Message
Entity Logic Validation	Payload not having projectId and organizationid	400	No Project or Organization specified
Entity Logic Validation	Payload have projectld and organizationid	400	Both Organization or Project Specified
Entity Logic Validation	Payload User should not exist in sysAdminUsers	400	Cannot assign/unassign any role to service account user for UserId
Entity Logic Validation	Payload roles roleId should not be same with the sysAdminUsers roleid	400	Cannot assign System Administrator role to user
Entity Logic Validation	Payload userid and login userid are same and setting definition is set to No	400	assign/unassign of Role to Self is Not Allowed
Entity Logic Validation	Payload organizationid not exist in projectsuit and inactive	400	Entity not Found.
Entity Logic Validation	Payload projectid not exist in projectsuit and inactive	400	Entity not Found.
Entity Logic Validation	Payload projectid is closed state in projectsuit	400	Project is closed.
Entity Logic Validation	Payload has projectid and role adminlevel is more than projectAdmin	400	One or more roles selected are either Account or Organization level roles. Cannot assign to project.
Entity Logic Validation	Payload has organizationid and role adminlevel is equals to accountadmin	400	Non-root organization role assignment exists. Cannot change admin level to Account Admin.
Entity Logic Validation	Valid Payload	200	"User (2) roles reassigned."

Sample JSON

Sample 1

```
[
    {
        "RoleName": "212725_Role",
        "UserSourceSystemId": "joedoe@Ineight.com",
        "ProjectSourceSystemId": "110111",
        "IsActive": true
    },
    {
        "RoleName": "Rekha_Test",
        "UserSourceSystemId": "joedoe@Ineight.com",
        "OrganizationSourceSystemId": "S10000",
        "IsActive": true
    }
}
```



Sample 2 - User Assigned to Multiple Roles

```
[
  {
  "RoleName": "Contract Creator",
  "UserSourceSystemId": "joedoe@Ineight.com",
  "ProjectSourceSystemId": "110111",
  "IsActive": true
  },
  "RoleName": "Contract Reviewer",
  "UserSourceSystemId": "joedoe@Ineight.com",
  "ProjectSourceSystemId": "110111",
  "IsActive": true
  },
  {
  "RoleName": "Change Manager",
  "UserSourceSystemId": "joedoe@Ineight.com",
  "ProjectSourceSystemId": "110111",
  "IsActive": true
   }
```

Sample 3 - User Assigned Same Role to Multiple Projects

```
[
  {
  "RoleName": "Contract Manager",
  "UserSourceSystemId": "joedoe@Ineight.com",
  "ProjectSourceSystemId": "110111",
  "IsActive": true
  },
  {
  "RoleName": "Contract Manager ",
  "UserSourceSystemId": "joedoe@Ineight.com",
  "ProjectSourceSystemId": "110222",
  "IsActive": true
  },
  "RoleName": "Contract Manager",
  "UserSourceSystemId": "joedoe@Ineight.com",
  "ProjectSourceSystemId": "110333",
  "IsActive": true
  }
```





Verification

Roles assigned to users are shown on the Suite administration > **User management** page. Select a User record, and then click the edit icon to show the User record details.

(B)	Earliser Idministration	•	User	management 💌		0	8
۲) (()	Q
	Francisco 👻	Last name		Email 👻	Status	Last login	\pm 0
	Kyle	Hirschman		KYLE.HIRSCHMAN@KIEWIT.COM	Active	06/04/2018 5:26:56 PM	^
	Christopher	Hirschmann		CHRIS.HIRSCHMANN@KIEWIT.COM	Inactive		
	Spencer	Hirschi		SPENCER.HIRSCHIGKIEWIT.COM	Active		
	george	hirsch		george.hirsch@ineight.com	Active	04/29/2019 2:22:18 PM	

In the Roles section, verify the correct roles have been assigned to the selected user.

Suite administration	▼ User management ▼					0 🗞
User management > Edit user						Cancel Save
		*				^
	Roles					
	Role		Organization/Project			
	Account Administrator	*	\$100000 - PKS Incs	•	Θ	
	Dev/Ops Administrator	•	S100000 - PKS Incs	•	Θ	
	Custom Role1	-	S100000 - PKS Incs	•	Θ	
	Add role					
© 2019 InEight Inc. Privacy and Terms v18.4 01	5Agy					INEIGHT



Organizations

The Organizations integration allows customers to maintain a synchronized list of the organization hierarchy structure within a company used for the assignment of roles and permissions, assignment of projects, and for reporting.

Direction		Fo the InEight cloud platform.				
Frequency		Determined by external system.				
Trigger Methods		Determined by external system.				
Average Paylo	oad Size	Dependent on the size of the organization structure and number of projects. Potentially hundreds of organizational units and sub-units.				
APIM Name		Organizations_Import				
InEight	Starting Version	19.1				
Application	Ending Version					

Fields

Depth	Name	Туре	Precision	Parent	Req.
1	OrganizationName	String	300		Yes
1	SourceSystemName	String	50		No
1	SourceSystemId	String	300		No
1	OrganizationDescription	String	255		Yes
1	ParentOrganization	String	300		Yes
1	IsActive	Boolean	NA		No

Field Descriptions

Name	Description	Example
OrganizationName	The name of the organization as it should appear within the InEight UI.	SW Regional District
SourceSystemName	Unique name assigned to the system of record by the InEight cloud platform that matches the external system using the integration.	SAPHNC



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 display in normal use of InEight cloud platform and can contain internal identifiers such as a GUID that is not understood by typical system users.	SWDST
OrganizationDescription	A description of the organization record that can be viewed within the InEight UI.	Southwest Region for all Energy and Utility projects.
ParentOrganization	The SourceSystemId of the organization record's parent. Use this field to create a hierarchical structure for organizations. If the organization record is at the top of the hierarchical structure, use the value <i>RootOrg1</i> as the Parent Organization. NOTE: When processing records within this integration, records provided within the JSON will be sorted to create or update any organizations that represent a parent first to ensure records that have a parent reference will be created or updated without failing.	RootOrg1
IsActive	When set to <i>false</i> , the Organization record will be soft deleted from InEight.	true

Sample

```
{
    {
        "OrganizationName": "S0009.01",
        "SourceSystemName": "SMOKE_09.01",
        "SourceSystemId": "SMOKE_09.01",
        "OrganizationDescription": "SB_TEST_ORG",
        "ParentOrganization": "SMOKE_09",
        "IsActive": true
    }
}
```

Verification

From the main menu, select "All projects & organizations".



Account Setup and Maintenance - Integration Specification

The Bentway Project (103361)	-	Assigned operational res	i 🔻		
Favorite projects & organi	zations	Applications			
S100000 - PKS Incs The Bentway Project (103361)	>	Model Suite	🤹 Estimate 🛛 🏠	() Inspect	Contract
		Basis Organization home			
📩 📩 Mana	ge favorites	Organization home	Assigned users		
All projects & organizations	, lm	Settings	Assigned projects		
🔞 Report	>				
Explore	>				
Master data libraries	>				
Suite administration	>				
	XER				

Then select the "ORGANIZATIONS" tab to see the entire organization hierarchy.

(All projects & organizations				
		PROJECTS ORGANIZATIONS			
÷					
	Organization	Description			
	S100000 - PKS Incs	PKS Inc updated			
	S100000 - PKS Incs : TestOrg_June	Test0rg_June			
	S100000 - PKS Incs : Testorg09	Testorg09			
	S100000 - PKS Incs : MR OBS _Smoke 18_edit_new	MR OBS 04			
	S100000 - PKS Incs : MR OBS _Smoke 18_edit_new : childSDFVG	DESCZCXVBNN			
	S100000 - PKS Incs : Test007-0010RG	Test007-0010RG			
	S100000 - PKS Incs : smoke 27th march_new	22_edited			
	S100000 - PKS Incs : Nadiya-123	descs_SMOKE_UPDATING_edited			
	S100000 - PKS Incs : Smoke_April-03	Smoke_April-03			
	S100000 - PKS Incs : add1	add1_edit			
	S100000 - PKS Incs : Update_Apr4	Reg_Org_Apr4			
	S100000 - PKS Incs : SMoke testing_10	SMoke testing_10			
	S100000 - PKS Incs : SMoke testing_10 : 2nd org	2nd org			
	S100000 - PKS Incs : SMoke testing_10 : 2nd org : 3rd org	3rd orga			
	S100000 - PKS Incs : SMoke testing_10 : 2nd org : 3rd org : 4th	4th org			
	S100000 - PKS Incs : SMoke testing_10 : 2nd org : 3rd org : 4t	5th org			
	<u>S100000 - PKS Incs : SMoke testing 10 : 2nd org : 3rd org : 4t</u>	6th org			
	S100000 - PKS Incs : SMoke testing_10 : 2nd org : 3rd org :	6th org			
	S100000 - PKS Incs : SMoke testing_10 : 2nd org : 3rd org :	7th org			



Account Codes

The Account Codes integrations allow customers to create and maintain their master list of account codes that can be used for business functions in multiple InEight cloud applications. Any new account codes and updates to account codes performed using these APIs are automatically published (instead of being staged) and are immediately available for use in InEight cloud applications.

Account Code (Import)

Direction		To InEight cloud platform.
Frequency		Infrequent / Determined by external system.
Trigger Meth	ods	Triggered by external system as needed.
Average Payl	oad Size	Thousands of records.
API Name		AccountCode_Import
InEight	Starting Version	19.11
Application	Ending Version	

Account Code (Get)

Direction		From InEight cloud platform to external ERP.	
Frequency		Infrequent / Determined by external system.	
Trigger Meth	ods	Triggered by external system as needed.	
Average Payl	oad Size	Thousands of records.	
API Name		AccountCode_Get	
InEight Starting Version		20.11	
Application	Ending Version		

Fields

Depth	Name	Туре	Precision	Parent	Req.
1	DisplayId	String	250		Yes
1	AcountCodeDescription	String	255		Yes
1	IsActive	Boolean	NA		No
1	ParentAccountCodeSoureSystemId	String	10		No
1	ReplaceAccountCodeSourceSystemId	String	250		No



Depth	Name	Туре	Precision	Parent	Req.
1	AccountCodeOperationType	String	10		Yes
1	PrimaryAutoQuantity	Boolean	NA		No
1	SecondaryAutoQuantity	Boolean	NA		No
1	IsTerminal	Boolean	NA		No
1	SourceSystemId	String	250		No
1	SourceSystemName	String	50		No
1	PrimaryUOMReference	String	255		No
1	CurrencyCode	String	50		No
1	SecondaryUOMReference	String	255		No
1	ContributePrimaryToPrimary	Boolean	NA		No
1	ContributePrimaryToSecondary	Boolean	NA		No
1	ContributeSecondaryToSecondary	Boolean	NA		No
1	FlagAsDisabled	Boolean	NA		No
1	Notes	String	5000		No
1	SafetyNotes	String	5000		No
1	EnvironmentalNotes	String	5000		No
1	QualityNotes	String	5000		No
1	AccountCodeTag1	String	100		No
1	AccountCodeTag2	String	100		No
1	AccountCodeTag3	String	100		No
1	AccountCodeTag4	String	100		No
1	AccountCodeTag5	String	100		No
1	AccountCodeTag6	String	100		No
1	AccountCodeTag7	String	100		No
1	AccountCodeTag8	String	100		No
1	AccountCodeTag9	String	100		No
1	AccountCodeTag10	String	100		No
1	AccountCodeTag11	String	100		No
1	AccountCodeTag12	String	100		No
1	AccountCodeTag13	String	100	1	No
1	AccountCodeTag14	String	100	1	No
1	AccountCodeTag15	String	100	1	No
1	AccountCodeTag16	String	100	1	No
1	AccountCodeTag17	String	100	1	No



Depth	Name	Туре	Precision	Parent	Req.
1	AccountCodeTag18	String	100		No
1	AccountCodeTag19	String	100		No
1	AccountCodeTag20	String	100		No
1	UserDefinedField1	String	250		No
1	UserDefinedField2	String	250		No
1	UserDefinedField3	String	250		No
1	UserDefinedField4	String	250		No
1	User Defined Field 5	String	250		No
1	User Defined Field 6	String	250		No
1	User Defined Field 7	String	250		No
1	User Defined Field 8	String	250		No
1	User Defined Field 9	String	250		No
1	User Defined Field 10	String	250		No

Field Descriptions

Name	Description	Example
DisplayId	Unique identifier that is publicly recognizable. This field is displayed in normal use of product platform applications and shows as the Account Code in the UI. The value sent in this field can match SourceSystemId if there is no need to use a public versus private unique identifier.	61.03.02.000.02
AcountCodeDescription	Informal description of the record that shows as Description in normal use of product platform applications 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.	Mud Slab
IsActive	Sending a value of <i>false</i> in this field will cause the record to be soft deleted from the InEight product platform. If a value is not provided the default value <i>true</i> is used. It is not recommended to use this field to hide or suspend a record because deleted records cannot be reinstated.	true
ParentAccountCodeSoureSystemId	Source system ID of the record that represents the parent of the current record within the account code hierarchy.	61.03.02.000
ReplaceAccountCodeSourceSystemId	Source system ID of the record that represents the replacement of the current record within the account code hierarchy when the AccountCodeOperationType value is 2, 3, or 4.	



Name	Description	Example
AccountCodeOperationType	Specifies the operation being performed. Possible acceptable values: • 1 = Add, • 2 = Update, • 3 = Rename, • 4 = Move, • 5 = Delete	5
PrimaryAutoQuantity	Enables or disables the Auto Quantity Primary flag for the account code.	true
SecondaryAutoQuantity	Enables or disables the Auto Quantity Secondary flag for the account code.	false
IsTerminal	Determines if the account code is the last one within a branch of the hierarchy.	false
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 display in normal use of product platform applications and can contain internal identifiers such as a GUID that is not understandable by typical system users.	61.03.02.000.02
SourceSystemName	Unique name assigned to the system of record by the InEight cloud platform that matches the external system using the integration.	SAPHNC
PrimaryUOMReference	Name or Source System ID of a valid Unit of Measure record.	СҮ
CurrencyCode	Name of a valid Currency record.	USD
SecondaryUOMReference	Name or Source System ID of a valid Unit of Measure record.	СМ
ContributePrimaryToPrimary	Sets the value for the Contribute Primary to Primary option on the account code.	true
ContributePrimaryToSecondary	Sets the value for the Contribute Primary to Secondary option on the account code.	false
ContributeSecondaryToSecondary	Sets the value for the Contribute Secondary to Secondary option on the account code.	true
FlagAsDisabled	Sets the value for the flag to disable option on the account code.	False
Notes	Optional notes that can be permanently placed on an Account Code	Only use this account code for large bore pipe in industrial waste projects.
SafetyNotes	Open field for notes on the account code record	Any Text
EnvironmentalNotes	Open field for notes on the account code record	Any Text
QualityNotes	Open field for notes on the account code record	Any Text



Name	Description	Example
AccountCodeTag1	Optional free-text field. Account Code Tag fields might appear as a different name than AccountCodeTag[n] within the UI. For example, a customer might rename AccountCodeTag1 to "Estimator Name" in the UI, but the name of the field in the JSON for this integration must still be labeled as "AccountCodeTag1".	Any text
AccountCodeTag2	Optional free-text field.	Any text
AccountCodeTag3	Optional free-text field.	Any text
AccountCodeTag4	Optional free-text field.	Any text
AccountCodeTag5	Optional free-text field.	Any text
AccountCodeTag6	Optional free-text field.	Any text
AccountCodeTag7	Optional free-text field.	Any text
AccountCodeTag8	Optional free-text field.	Any text
AccountCodeTag9	Optional free-text field.	Any text
AccountCodeTag10	Optional free-text field.	Any text
AccountCodeTag11	Optional free-text field.	Any text
AccountCodeTag12	Optional free-text field.	Any text
AccountCodeTag13	Optional free-text field.	Any text
AccountCodeTag14	Optional free-text field.	Any text
AccountCodeTag15	Optional free-text field.	Any text
AccountCodeTag16	Optional free-text field.	Any text
AccountCodeTag17	Optional free-text field.	Any text
AccountCodeTag18	Optional free-text field.	Any text
AccountCodeTag19	Optional free-text field.	Any text
AccountCodeTag20	Optional free-text field.	Any text
UserDefinedField1	Optional text value. The text that is placed in this field should match an option from a list of values defined for the field within the Account Code UI. Note that User Defined fields might appear as a different name than UserDefinedField[n] within the UI. For example, a customer might rename UserDefinedField1 to "Market" in the UI, but the name of the field in the JSON for this integration must still be labeled as "UserDefinedField1".	Text option
User Defined Field 2	Optional text value that must match an option from a defined list.	Text option
User Defined Field 3	Optional text value that must match an option from a defined list.	Text option
User Defined Field 4	Optional text value that must match an option from a defined list.	Text option



Name	Description	Example
UserDefinedField5	Optional text value that must match an option from a defined list.	Text option
User Defined Field 6	Optional text value that must match an option from a defined list.	Text option
UserDefinedField7	Optional text value that must match an option from a defined list.	Text option
UserDefinedField8	Optional text value that must match an option from a defined list.	Text option
UserDefinedField9	Optional text value that must match an option from a defined list.	Text option
UserDefinedField10	Optional text value that must match an option from a defined list.	Text option

Sample JSON

[

"DisplayId": "61.02.05.000.91", "AccountCodeDescription": "Mod Slab / Rat Slab - Cleanup", "IsActive": true, "ParentAccountCodeSourceSystemId": "61.02.05.000", "ParentAccountCodeSoureSystemId": "" "AccountCodeOperationType": 5 "PrimaryAutoQuantity": true, "SecondaryAutoQuantity": false, "IsTerminal": true, "SourceSystemId": "61.02.05.000.91", "SourceSystemName": "JDE", "PrimaryUOMReference": "CY", "CurrencyCode": "USD", "SecondaryUOMReference": "CM", "ContributePrimaryToPrimary": true, "ContributePrimaryToSecondary": false, "ContributeSecondaryToSecondary": false, "FlagAsDisabled": false, "Notes": "For use on heavy industrial projects only", "SafetyNotes": "", "EnvironmentalNotes": "", "QualityNotes": "", "AccountCodeTag1": "" "AccountCodeTag2": "", "AccountCodeTag3": "", "AccountCodeTag4": "", "AccountCodeTag5": "", "AccountCodeTag6": "", "AccountCodeTag7": "", "AccountCodeTag8": "", "AccountCodeTag9": "" "AccountCodeTag10": "" "AccountCodeTag11": "",



"AccountCodeTag12":	"",
"AccountCodeTag13":	"",
"AccountCodeTag14":	"",
"AccountCodeTag15":	,
"AccountCodeTag16":	
"AccountCodeTag17":	
_	/
"AccountCodeTag18":	/
"AccountCodeTag19":	····· ,
"AccountCodeTag20":	"",
"UserDefinedField1":	····· /
"UserDefinedField2":	····/
"UserDefinedField3":	"",
"UserDefinedField4":	
"UserDefinedField5":	,
"UserDefinedField6":	,
"UserDefinedField7":	····,
"UserDefinedField8":	,
"UserDefinedField9":	····,
"UserDefinedField10"	: ""
}	

Verification

Updates can be viewed in the Core UI under Master data libraries > Account codes in either the Staging or Published tabs.

Ę	Master data libraries	✓ Account codes ✓			ss	8 🕞
	PUB	LISHED STAGING 408	AUDIT L	.0G IMPORT L	OG	
					3	(i) Q
	Account code 😑	Description		UoM primary	Currency	UoM secondar
	61	Concrete		CY	US Dollar	/
	61.03	Non-Support Horizontal Concrete		CY	US Dollar	
	61.03.02	Mud Slab / Rat Slab		CY	US Dollar	SF
	61.03.02.000	Mud Slab / Rat Slab		CY	US Dollar	SF
	61.03.02.000.02	Mud Slab / Rat Slab - Fine grade		SF	US Dollar	
	61.03.02.000.04	Mud Slab / Rat Slab - Fab Forms		SF	US Dollar	
	61.03.02.000.06	Mud Slab / Rat Slab - Erect and Strip Forms		SF	US Dollar	
	61.03.02.000.08	Mud Slab / Rat Slab - Place / Finish / Cure		CY	US Dollar	SF
	61.03.02.000.09	Mud Slab / Rat Slab - Cleanup		CY	US Dollar	cm
	61.03.04	Dental Concrete		CY	US Dollar	SF



Roles

The import can be used to create roles in bulk for any user with default permissions View organizations, View active projects, View UoM, and View currency. This integration only allows creation of new roles and cannot be used to update existing roles.

Roles (Import)

Direction		To InEight cloud platform.					
Frequency		Determined by external system.					
Trigger Methods		Determined by external system.					
Average Payload Size		Dependent on the size of the organization structure and number of projects. Potentially hundreds of organizational units and sub-units.					
API Name		Roles_Import					
InEight Starting Version		21.7					
Application	Ending Version						

Roles (Get)

Direction		From InEight cloud platform to external ERP.					
Frequency		Determined by external system.					
Trigger Methods		Determined by external system.					
Average Payload Size		Dependent on the size of the organization structure and number of projects. Potentially hundreds of organizational units and sub-units.					
API Name		Roles_Get					
InEight Starting Version		21.7					
Application	Ending Version						

Fields

Depth	Name	Туре	Precision	Parent	Req.
1	RoleName	String	300		Yes
1	Description	String	50		No
1	AdminLevel	String	300		No
1	SourceSystemID	String	255		Yes



Depth	Name	Туре	Precision	Parent	Req.
1	SourceSystemName	String	300		Yes
1	lsSystem	Boolean	NA		No
1	IsActive	Boolean	NA		No

Field Descriptions

Name	Description	Example
RoleName	Name of the role as it should appear within the InEight UI.	Paving Supervisor
Description	Description of the role	Supervise, track and report on budgets, timelines and staff actively involved in paving
AdminLevel	Level of the administrator as defined in the UI. Possible values are: • Level 0 – Base • Level 1 – Project Admin • Level 2 – Organization Admin • Level 3 – Account Admin	Level 1 – Project Admin
SourceSystemID	Unique record ID assigned by the InEight cloud platform and matching the external system that is using the integration. Work with InEight to provision a unique value for this field.	1121dwd1234ffer4
SourceSystemName	Unique name assigned to the system of record by the InEight cloud platform and matching the external system that is using the integration.	SAPHNC
lsSystem	Defines a system versus custom role. Values are 1 for System and 2 for Custom. In Roles_Import through APIM, user input for this field is ignored and is always set as false.	1
IsActive	When set to false, the Organization record will be soft deleted from InEight cloud platform system.	0

JSON Sample

```
[
    {
        "RoleName": "Paving supervisor",
        "Description": "Supervise, track and report on budgets, timelines and staff
actively involved in paving",
        "AdminLevel": "Level 1 - Project Admin",
        "SourceSystemId": "1122wew2435r4fv455y4g",
        "SourceSystemName": "SAP",
        "IsSystem": false,
        "IsActive": true
```



}

1

Verification

Validation is performed on each role in the array and will skip any record that fails. The records that pass are inserted and details regarding the failed inserts is provided in the logs.

From the main menu, go to Suite Administration, and then select the Roles and Permissions tab to manage roles.

← → C ☆ 🔒 kiewit-qa-2110.hds.ineight.com/AppCore/roles/add									☆ 🌖 🕻	F G 1 🔚	0 * 🚯	:
👯 Apps ★ Bookmarks 🔕 InEight APIM DEV p 🥝 APIM QA2 develop 🚳 Corr	e - Roles and Pe	@ QA 21.7 T01 Environm	ent list an 📝 Pern	mian Smartsheet 🛛 🥥	CORE Dashboard O	🕒 21.7 Swagger	r 😋 Core Team Sprint B	😋 Core Features - Eac	**	Cther bookmark	ks 🔠 Readin	ig list
☐ ŵ Suite administration / Roles and permissions										0 d [#]	8 🕞	
Roles and permissions > Add role										Cancel	Save	
Role details												ĺ
		Name		Description								
	-,	Administrator level										
		Level 0 - Base	•									
Permissions												
Suite administration											^	
Select all										Search		
User management	Select all	Roles and permissions	3			Select all	Application integration	3		1	Select all	
O View users		 Wiew roles and permit 	ssions				🗌 🕲 View primavera P6 🛆				<u>^</u>	
							Get/Update schedule					
							Import/Export schedu					
								t				
							Manage external API's					
											-	
Custom labels	Select all											
(a) View custom labels												
												Ŧ