



Explore API Documentation

SelfService_Contract_ScheduleOfValue Version 1.0

Last Modified: 11/14/2023

Last Modified By: Swadesh.Subedi



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	04/16/2021	Initial draft	Swadesh Subedi

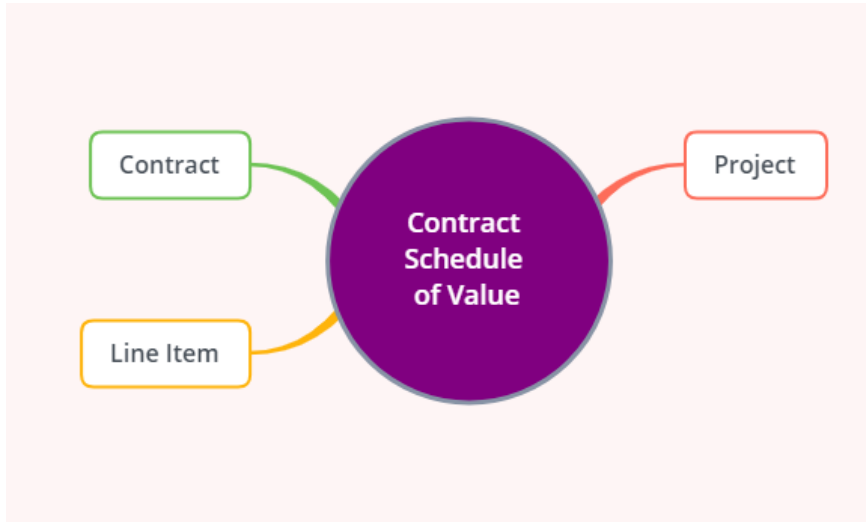
Contents

Change Log.....	2
Overview	4
API Detail.....	4
Supported Filters.....	5
Fields	5
Field Descriptions.....	6
Sample	6
Data Validation	7

Overview

The Schedule of Values facilitates breaking down the contract by billable work items with their corresponding values to help verify payments and track component claims in InEight Plan. For a schedule item - quantity, unit of measure, unit price, value, and WBS code and associated line item can be defined. If the schedule of value has no line item associated, there will be no WBS code until it is identified with a line item.

The API provides schedule of value items with their quantity, unit price, WBS, line item and the associated contract. It also provides a summarized quantity claimed, value claimed, quantity remaining, and percentage complete from the Plan and Progress module. The Hide in Plan and Progress indicates whether this component is also available in Plan and Progress module.



From: Table	To: Table	Relationship	Cardinality ¹	Comment
SelfService_Contract_ScheduleOfValue (SoV)	Selfservice_Contract_Contract (C)	C.ContractId = SoV.ContractId	1:M	
SelfService_Contract_ScheduleOfValue (SoV)	Selfservice_Contract_Project (P)	P.ProjectId = SoV.ProjectId	1:M	Id, Display, Name, Organization Id
SelfService_Contract_ScheduleOfValue (SoV)	Selfservie_Contract_LineItem (LI)	SoV.ContractDetailId = LI.ContractDetailId	1:M	

API Detail

Direction	From Project Suite
Pagination	50,000 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 the date range selected.

¹ 1:M = One to Many, 1:1 = One to One, M:1 = Many to one

APIM Name		SelfService_Contract_ScheduleOfValue
API URL		https://api.ineight.com/reporting/v1/{tenantPrefix}/odata/ SelfService_Contract_ScheduleOfValue
Source Data Table Kind		ODS Tables
Data Refresh/Delta/Incremental Loads		This API must be run as a full refresh each time.
Project Suite	Starting Version	V1.0
	Ending Version	V1.0

Supported Filters

All default OData filters are supported by this API.

Fields

Name	Data Type	Char Max Length	Numeric Precision	Numeric Scale	Date Precision	Is Nullable	PK
ContractScheduleOfValueItemid	bigint	NULL	19	0	NULL	0	X
ScheduleItemid	nvarchar	50	NULL	NULL	NULL	1	
Description	nvarchar	500	NULL	NULL	NULL	1	
LineItemCode	nvarchar	50	NULL	NULL	NULL	1	
ContractId	bigint	NULL	19	0	NULL	1	
ContractDetailId	bigint	NULL	19	0	NULL	1	
ProjectId	bigint	NULL	19	0	NULL	1	
ProjectDisplay	nvarchar	200	NULL	NULL	NULL	1	
ScheduleItemQuantity	decimal	NULL	16	5	NULL	1	
UnitPrice	decimal	NULL	16	5	NULL	1	
UOMId	bigint	NULL	19	0	NULL	1	
UOMName	nvarchar	255	NULL	NULL	NULL	1	
ScheduleValue	decimal	NULL	16	5	NULL	1	
WBSCode	nvarchar	4000	NULL	NULL	NULL	1	
HideInPlanAndProgress	bit	NULL	NULL	NULL	NULL	1	
QuantityClaimed	decimal	NULL	38	5	NULL	1	
ValueClaimed	decimal	NULL	38	6	NULL	1	
QuantityRemaining	decimal	NULL	38	5	NULL	1	
PercentComplete	decimal	NULL	38	6	NULL	1	
IsActive	bit	NULL	NULL	NULL	NULL	0	
ModifiedDate	datetimeoffset	NULL	NULL	NULL	7	1	

Field Descriptions

Name	Description	Example
ContractScheduleOfValuesItemid	Unique identifier of a schedule of values item.	39856
ScheduleItemId	Sequential Id starting at 1 for each contract.	1
Description	Description of the schedule item	Labor - Epoxy
LineItemCode	Line item associated with the schedule item. Can be blank as well.	0002
ContractId	System generated unique identifier of a contract.	7300000097
ContractDetailId	Line Item identifier	32693
ProjectId	Associated Project Id	42
ProjectDisplay	Display number of a project	103442
ScheduleItemQuantity	Quantity scheduled	55
UnitPrice	Unit price per quantity	2
UOMId	Unit of measure Id	44
UOMName	Unit of measure name	Barrel
ScheduleValue	Schedule Quantity X Unit Price	110
WBSCode	Comma separated WBS Codes for the line item	10 - test TPF calc,103 - Finishes- E&K (Precon),105 - EGRESS - Sub
HideInPlanAndProgress	Indicates whether the component will be available in Plan and Progress	1 - Hidden 0 - Visible
QuantityClaimed	Total quantities claimed for the schedule item	20
ValueClaimed	Total value claimed based on quantity. Total installed quantity X Unit Price	40
QuantityRemaining	Scheduled Quantity – Quantity Claimed	35
PercentComplete	(Value Claimed / Schedule Value) X 100	36.36
IsActive	Indicates whether a record has been soft-deleted	Active = 1, Inactive = 0
ModifiedDate	Date of last modification of all fields (For incremental refresh)	2019-04-10 21:34:13.2362912 +00:00

Sample

```
{
  "ContractScheduleOfValuesItemid":11,
  "ScheduleItemId":"2",
  "Description":"T2",
  "LineItemCode":null,
  "ContractId":1200000389,
  "ContractDetailId":null,
  "ProjectId":75,
  "ProjectDisplay":"103660",
  "ScheduleItemQuantity":5.60000,
  "UnitPrice":2.50000,
  "UOMId":2,
  "UOMName":"Barrel",
  "ScheduleValue":14.00000,
  "WBSCode":null,
  "HideInPlanAndProgress":true,
  "QuantityClaimed":0.00000,
  "ValueClaimed":0.00000,
  "QuantityRemaining":5.60000,
  "PercentComplete":0.00000,
  "IsActive":true,
  "ModifiedDate":"2021-04-05T09:33:57.0963983Z"},
  {
  "ContractScheduleOfValuesItemid":12,
  "ScheduleItemId":"3",
  "Description":"s1",
  "LineItemCode":"0003",
  "ContractId":1200000389,
  "ContractDetailId":21854,
  "ProjectId":75,
  "ProjectDisplay":"103660",
  "ScheduleItemQuantity":10.00000,
  "UnitPrice":10.00000,
  "UOMId":1,
  "UOMName":"Acre",
  "ScheduleValue":100.00000,
  "WBSCode":"1002 - G & A Expense (7.86)",
  "HideInPlanAndProgress":true,
  "QuantityClaimed":0.00000,
  "ValueClaimed":0.00000,
  "QuantityRemaining":10.00000,
  "PercentComplete":0.00000,
  "IsActive":true,
  "ModifiedDate":"2021-04-05T09:33:57.0963983Z"}
}
```

Data Validation

Schedule of value can be accessed from the “Schedule of Values” tab in the Contract module. Component Progress panel will show up and align on the right side of the Schedule of Value Items panel when Component Progress view is selected from right top of the screen.

Schedule of value items										Component progress 03/17/2021 to 03/24/2021		
Schedule item ID	Contract line item ID	Description	Schedule quantity	UoM	Unit price	Schedule value	WBS code	Hide in plan and progress	Quantity claimed	Value claimed	Quantity remaining	
1	0001	999	70.000	CY	p. 9.00	p. 630.00		<input type="checkbox"/>	70.00	p. 630.00	0.00	
2	0001	888	70.000	Cubic Meter	p. 9.00	p. 630.00		<input type="checkbox"/>	0.00	p. 0.00	70.00	
3	0001	123456	10.000	Cubic Meter	p. 100.00	p. 1,000.00		<input type="checkbox"/>	0.00	p. 0.00	10.00	
Totals						p. 2,260.00			p. 630.00			

Figure 1: Schedule of Values