



Explore API Documentation

SelfService_Schedule_ScheduleWorkBreakdownStructure
UserDefinedFieldValue

Version 1.0

Last Modified: 4/19/2023

Last Modified By: Kimo Pickering

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	4/19/2023	Initial Draft	Kimo Pickering

Contents

Change Log.....	2
Overview.....	3
Relationships and Dependencies.....	3
API Detail.....	5
Supported Filters.....	5
Fields.....	5
Field Descriptions.....	6
Sample.....	6
Data Validation.....	7

Overview

The SelfService_Schedule_ScheduleWorkBreakdownStructureUserDefinedFieldValue API is one of multiple APIs comprising the data contained in the Schedule Code/UDF entity. The SelfService_Schedule_ScheduleWorkBreakdownStructureUserDefinedFieldValue table contains the custom Work Breakdown Structure (WBS) User Defined Fields (UDF), and their values, that have been assigned to WBS activities in a schedule (see Figure 2 in the Data Validation section). The Work Breakdown Structure User Defined Field data type is selected by the user when it is created. Unlike the Schedule Project Code value with pre-defined values to choose from, the Work Breakdown Structure User Defined Field value is manually entered by the user each time it is assigned to a WBS activity from the Iris pane in the Plan view of a schedule.

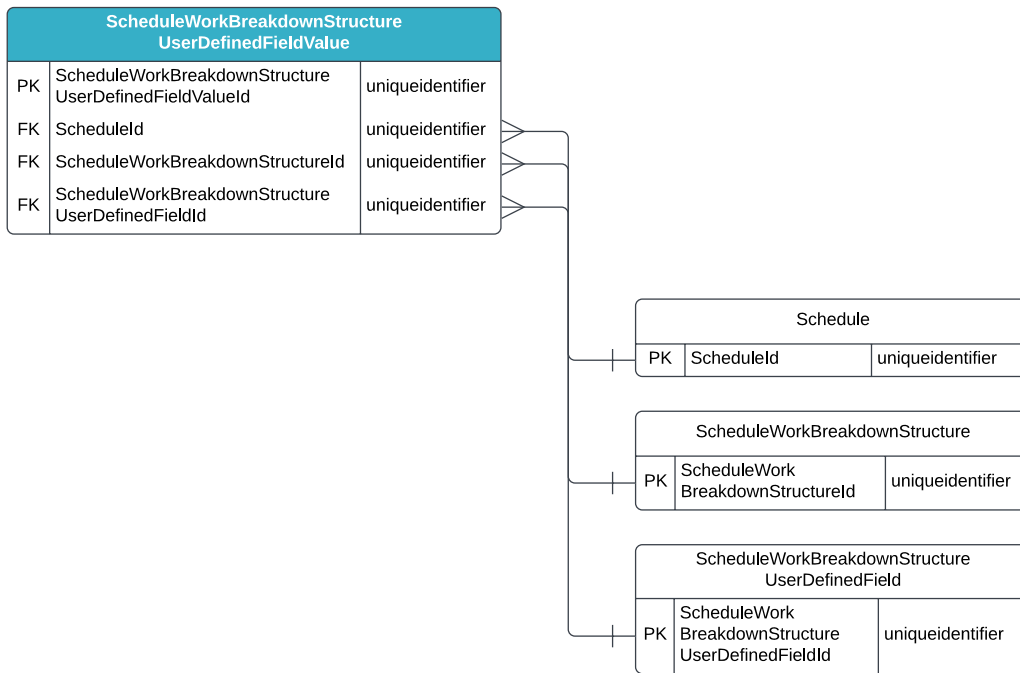
Relationships and Dependencies

From: Table ¹	To: Table ¹	Relationship	Cardinality ²	Comment
ScheduleWBSUserDefinedFieldValue(SWBSUDFV)	Schedule(S)	SWBSUDFV.ScheduleId : S.ScheduleId	M:1	
ScheduleWBSUserDefinedFieldValue(SWBSUDFV)	ScheduleWorkBreakdownStructure(SWBS)	SWBSUDFV.ScheduleWorkBreakdownStructureId : SWBS.ScheduleWorkBreakdownStructureId	M:1	
ScheduleWBSUserDefinedFieldValue(SWBSUDFV)	ScheduleWorkBreakdownStructureUserDefinedField(SWBSUDF)	SWBSUDFV.ScheduleWorkBreakdownStructureUserDefinedFieldId : SWBSUDF.ScheduleWorkBreakdownStructureUserDefinedFieldId	M:1	

¹ Prefix table name with "SelfService_Schedule_" and exclude table abbreviation for queries (e.g., SelfService_Schedule_ScheduleWBSUserDefinedFieldValue)

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

Figure 1. SelfService_Schedule_ScheduleWBSUserDefinedFieldValue ER Diagram



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 date range selected	
APIM Name	SelfService_Schedule_ScheduleWorkBreakdownStructureUserDefinedFieldValue	
Data Refresh/Delta/Incremental Loads	The data in this API will only refresh once per day	
Project Suite	Starting Version	23.10
	Ending Version	N/A

Supported Filters

All default OData filters are supported by this API.

Fields

Name	Type	Char Max Length	Numeric Precision	Scale	Required?	Product	P K
ScheduleWBSUserDefinedFieldValued	uniqueidentifier	16	0		Y		P
ScheduleId	uniqueidentifier	16	0		Y		F
ScheduleWorkBreakdownStructureId	nvarchar(128)	128	0		Y		F
ScheduleWorkBreakdownStructureUserDefinedFieldId	uniqueidentifier	16	0		Y		F
TextValue	nvarchar(256)	256	0		N		
NumberValue	decimal(16,5)	8	16	5	N		
DateValue	datetime2	8	27	7	N		
RowVersion	Bigint	Null	Null	Null	Y		

Field Descriptions

Name	Description	Example(s)
ScheduleWBSUserDefinedFieldValued	A unique identifier assigned to a Schedule Work Breakdown Structure User Defined Field Value. Not visible in the interface.	cc0d8ab4-212c-46a4-a8ed-79f7ed54c6e7
ScheduleId	A unique identifier assigned to each schedule record in the table. Formerly known as the Project Id.	b4f4f234-d6d1-498d-a068-8c001520e3d0
ScheduleWorkBreakdownStructureId	Unique identifier assigned to each WBS item. Not visible in the interface.	9c214320-b132-4d53-93c1-81ba54bab9ef
ScheduleWorkBreakdownStructureUserDefinedFieldId	A unique identifier assigned to a Schedule Work Breakdown Structure User Defined Field (UDF) Value. Not visible in the interface.	46641624-51cc-429d-8fb0-fb372b69ce9a
TextValue	The value of the Work Breakdown Structure User Defined Field text data type.	DES-GEO
NumberValue	The value of the Work Breakdown Structure User Defined Field number data type.	23.65
DateValue	The value of the Work Breakdown Structure User Defined Field date/time data type.	2022-04-27 11:36:41.000
RowVersion	An indicator if a row has been updated. if this value is greater than the stored value, then update record.	54582065

Sample

SelfService_Schedule_ScheduleWorkBreakdownStructureUserDefinedFieldValue

```
{
  "ScheduleWorkbreakdownstructureUserDefinedFieldValueId": "cc0d8ab4-212c-46a4-a8ed-79f7ed54c6e7",
  "ScheduleId": "b4f4f234-d6d1-498d-a068-8c001520e3d0",
  "ScheduleWorkBreakdownStructureId": "9c214320-b132-4d53-93c1-81ba54bab9ef",
  "ScheduleWorkBreakdownStructureUserDefinedFieldId": "46641624-51cc-429d-8fb0-fb372b69ce9a",
  "TextValue": "DES-GEO",
  "NumberValue": "23.65",
  "DateValue": "2022-04-27 11:36.000 + 00.00"}

```

Data Validation

The Work Breakdown Structure User Defined Field Values assigned to a WBS activity in a project schedule can be found by opening a schedule, navigating to the Plan view, opening the Iris pane, then opening the Knowledge Tags accordion section. Additional columns for any Work Breakdown Structure User Defined Field can also be added to the Activities table in Plan view to view any values assigned to WBS activities.

Figure 2. Schedule > Plan view

ID - Description	Actions	Id	Early Start	Early Finish	Duration	Remaining Duration	Float	Functional Area
Engineering	***	US-10.02	10 Feb 2016	31 Oct 2019	949d	949d		
Engineering Cost	***	A16240	10 Feb 2016	31 Oct 2019	949d	949d	114d	
Geometry	***	US-10.02.00	10 Feb 2016	5 Jul 2016	103d	103d		DES-GEO
3D Modeling	***	US-10.02.01	10 Feb 2016	2 Nov 2016	188d	188d		DES-3D
Hydraulics	***	US-10.02.02	10 Feb 2016	10 Aug 2017	381d	381d		DES-DRN
Geotechnical	***	US-10.02.03	10 Feb 2016	10 Sep 2018	655d	655d		DES-GEOTECH
Environmental	***	US-10.02.04	10 Feb 2016	10 Feb 2016	0d	0d		DES-ENV
Utility	***	US-10.02.05	10 Feb 2016	25 Sep 2018	666d	666d		DES-UTL
Civil/ Roadway	***	US-10.02.06	10 Feb 2016	31 Oct 2019	949d	949d		DES-RDWW
Structures	***	US-10.02.07	10 Feb 2016	7 May 2018	567d	567d		DES-STR
Landscape/ Aesthetics	***	US-10.02.10	10 Feb 2016	8 Sep 2017	401d	401d		DES-LAND
Signage/ Striping	***	US-10.02.11	10 Feb 2016	10 Feb 2016	0d	0d		DES-SGN_STRP
Lighting/ Signals	***	US-10.02.12	10 Feb 2016	10 Feb 2016	0d	0d		DES-LHT_SGL
FMS	***	US-10.02.13	1 Sep 2016	25 Sep 2017	268d	268d		DES-FMS
Final Design Documents	***	US-10.02.14	21 Mar 2017	6 Dec 2018	435d	435d		
Procurement	***	US-10.03	11 Jan 2016	12 Dec 2018	742d	742d		
Construction	***	US-10.04	10 Feb 2016	11 Oct 2019	935d	935d		