



Explore API Documentation

SelfService_Schedule_ScheduleResourceUserDefinedFieldValue
Version 1.0

Last Modified: 5/17/2023

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	5/17/2023	Initial Draft	Kimo Pickering

Contents

Change Log.....	2
Overview.....	3
Relationships and Dependencies.....	3
API Detail.....	5
Supported Filters.....	5
Fields.....	6
Field Descriptions.....	7
Sample.....	8
Data Validation.....	9

Overview

In the Schedule Resource entity, you'll find the SelfService_Schedule_ScheduleResourceUserDefinedFieldValue endpoint. Its function is to handle the ScheduleResourceUserDefinedFieldValue table, which holds the values of User Defined Fields (UDF) designated to resources in the Resources tab of the Schedule Configuration view in the Schedule application.

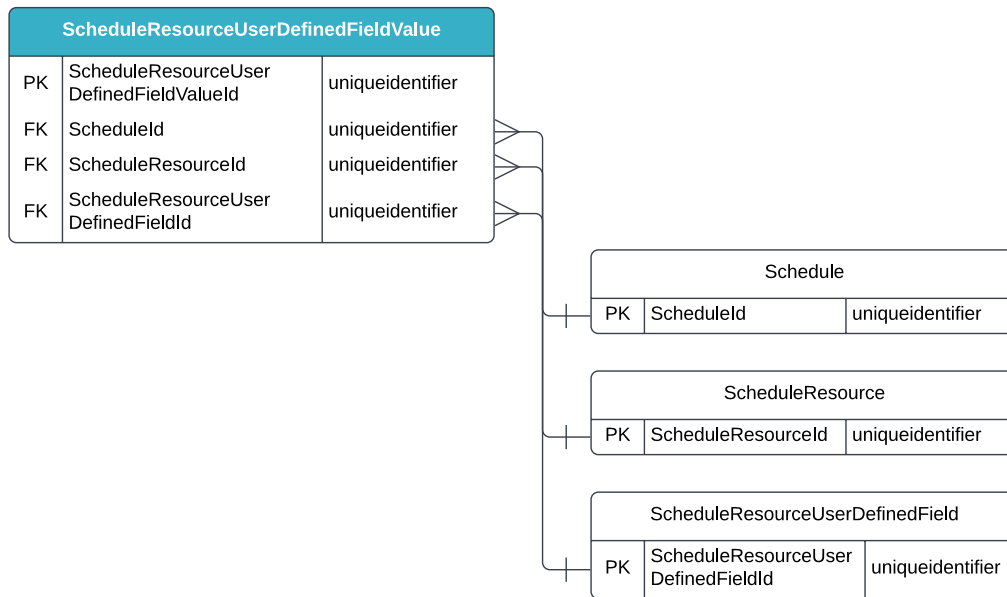
Relationships and Dependencies

From: Table ¹	To: Table ¹	Relationship	Cardinality ²
ScheduleResourceUserDefinedFieldValue(SRUDFV)	Schedule(S)	SRUDFV.ScheduleId : S.ScheduleId	M:1
ScheduleResourceUserDefinedFieldValue(SRUDFV)	ScheduleResource(SR)	SRUDFV.ScheduleResourceId : SR.ScheduleResourceId	M:1
ScheduleResourceUserDefinedFieldValue(SRUDFV)	ScheduleResourceUserDefinedField(SRUDF)	SRUDFV.ScheduleResourceUserDefinedFieldId : SRUDF.ScheduleResourceUserDefinedFieldId	M:1

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

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

Figure 1. SelfService_Schedule_ScheduleResourceUserDefinedFieldValue 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_ScheduleResourceUserDefinedFieldValue	
Data Refresh/Delta/Incremental Loads	This API will only refresh once per day	
Project Suite	Starting Version	23.8
	Ending Version	N/A

Supported Filters

All default OData filters are supported by this API.

Fields

Name	Type	Char Max Length	Numerical Precision	Required?	Key ?		
ScheduleResourceUserDefinedFieldValued	uniqueidentifier	16	0	Y	P		
ScheduleId	uniqueidentifier	16	0	Y	F		
ScheduleResourceId	uniqueidentifier	16	0	Y	F		
ScheduleResourceUserDefinedFieldId	uniqueidentifier	16	0	Y	F		
TextValue	nvarchar(256)	256	0	N			
NumberValue	decimal(16,5)	16	16	N			
DateValue	datetime	8	23	N			
CreatedById	bigint	19	19	Y			
CreatedDate	datetimeoffset	10	34	Y			
ModifiedById	bigint	19	19	Y			
ModifiedDate	datetimeoffset	10	34	Y			
RowVersion	Bigint	Null	Null	Null	Y		

Field Descriptions

Name	Description	Example(s)
ScheduleResourceUserDefinedFieldValued	A unique identifier assigned to a Resource User Defined Field (UDF) Value. Not visible in the interface.	1ca5e764-714e-4fd3-92e6-b11d4412e85b
ScheduleId	A unique identifier assigned to each schedule record in the table. Not visible in the interface.	5429d326-f0ba-4f5b-bf9d-c0ed0c49f8d8
ScheduleResourceId	A unique identifier of a resource. Not visible in the interface.	b5b8ebef-bf49-49d8-ada2-5596173c9361
ScheduleResourceUserDefinedFieldId	A unique identifier assigned to a Resource User Defined Field (UDF). Not visible in the interface.	668c7c29-7c33-45fa-8a17-bbdfd52d837a
TextValue	The value of the Resource User Defined Field text data type.	JV Crew 1
NumberValue	The value of the Resource User Defined Field number data type.	24
DateValue	The value of the Resource User Defined Field date data type.	2022-04-27 13:49:25.000
CreatedById	The unique identifier of the user who created the item. Not visible in the Interface.	85136477
CreatedDate	Date/timestamp the item is created.	2020-03-02 10:07.000 + 00.00
ModifiedById	The unique identifier of the user who modified the item. Not visible in the Interface.	29834765
ModifiedDate	Date/timestamp the item was modified.	2020-10-30 13:06.000 + 00.00
RowVersion	An indicator if a row has been updated. if this value is greater than the stored value, then update record.	54582065

Sample

[https://\[tenant\].hds.ineight.com/reportwebservices/odata/SelfService_Schedule_ScheduleResourceUserDefinedFieldValue](https://[tenant].hds.ineight.com/reportwebservices/odata/SelfService_Schedule_ScheduleResourceUserDefinedFieldValue)

```
{"ScheduleResourceUserDefinedFieldValueId":{"ScheduleResourceUserDefinedFieldValueId":"1ca5e764-714e-4fd3-92e6-b11d4412e85b"}, {"ScheduleId":{"ScheduleId":"5429d326-f0ba-4f5b-bf9d-c0ed0c49f8d8"}, {"ScheduleResourceId":{"ScheduleResourceId":"b5b8ebef-bf49-49d8-ada2-5596173c9361"}, {"ScheduleResourceUserDefinedFieldId":{"ScheduleResourceUserDefinedFieldId":"668c7c29-7c33-45fa-8a17-bbdfd52d837a"}, {"TextValue":{"TextValue":"JV Crew 1"}, {"NumberValue":{"NumberValue":"24"}, {"DateValue":{"DateValue":"2022-04-27 13:49.000 + 00.00"}, {"CreatedById":{"CreatedById":"85136477"}, {"CreatedDate":{"CreatedDate":"2020-03-02 10:07.000 + 00.00"}, {"ModifiedById":{"ModifiedById":"29834765"}, {"ModifiedDate":{"ModifiedDate":"2020-10-30 13:06.000 + 00.00"}}
```


Data Validation

Schedule Resource User Defined Field (UDF) Values are assigned to Resource User Defined Fields in the Resources tab of the Schedule Configuration view. See Figures 2 below.

Figure 2. Schedule > Schedule Configuration view > Resources tab > add additional column > Resource UDF column (e.g., “Crew”)

ID	Name	Category	Color	UoM	Default Units/d	Cost/Unit	Assignments	Crew
10.04.03.01L	Clear/ Grub/ Demo Exist Structures	Labor	Green	Hours	8.00	407.44	1	
10.04.03.02L	MOT	Labor	Cyan	Hours	8.00	428.08	1	
10.04.05	Grading	Labor	Gold	Hours	8.00	324.85	1	
10.04.05.01L	Exc to Embank - Labor	Labor	Brown	Hours	90.00	50.00	3	JV Crew 1
10.04.05.01E	Exc to Embank - Equip.	Equipment Hrs	Cyan	Hours	64.00	205.00	2	JV Crew 1
10.04.05.02L	Drill & Shoot Crew	Labor	Gold	Hours	30.00	48.00	4	
10.04.05.03	Walls	Labor	Green	Hours	8.00	231.21	1	
10.04.05.03.01L	CIP Walls	Labor	Green	Hours	8.00	96.56	1	
10.04.05.03.02L	MSE Walls	Labor	Purple	Hours	8.00	198.37	2	
10.04.05.08	Drainage	Labor	Blue	Hours	8.00	183.01	1	
10.04.07	Bridges	Labor	Light Green	Hours	8.00	229.82	1	
10.04.08	Soundwalls	Labor	Dark Green	Hours	8.00	605.78	1	
10.04.09.01	Base Course	Labor	Yellow	Hours	8.00	199.75	1	
10.04.09.02	PCCP	Labor	Red	Hours	8.00	258.50	1	
10.04.09.03	Barriers, Curbs, Gutters and Sidewalks	Labor	Grey	Hours	8.00	251.83	1	
10.04.10.01	AC Paving	Labor	Blue	Hours	8.00	35687.61	1	
10.04.10.02	Striping	Labor	Yellow	Hours	8.00	22414.00	1	
10.04.11	ITS/ Lighting	Labor	Red	Hours	8.00	294647.57	1	