Explore API Documentation

SelfService_Schedule_ScheduleResource

Version 1.0

Last Modified: 5/10/2023

Last Modified By: Kimo Pickering

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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	5/10/2023	Initial Draft	Kimo Pickering

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Overview

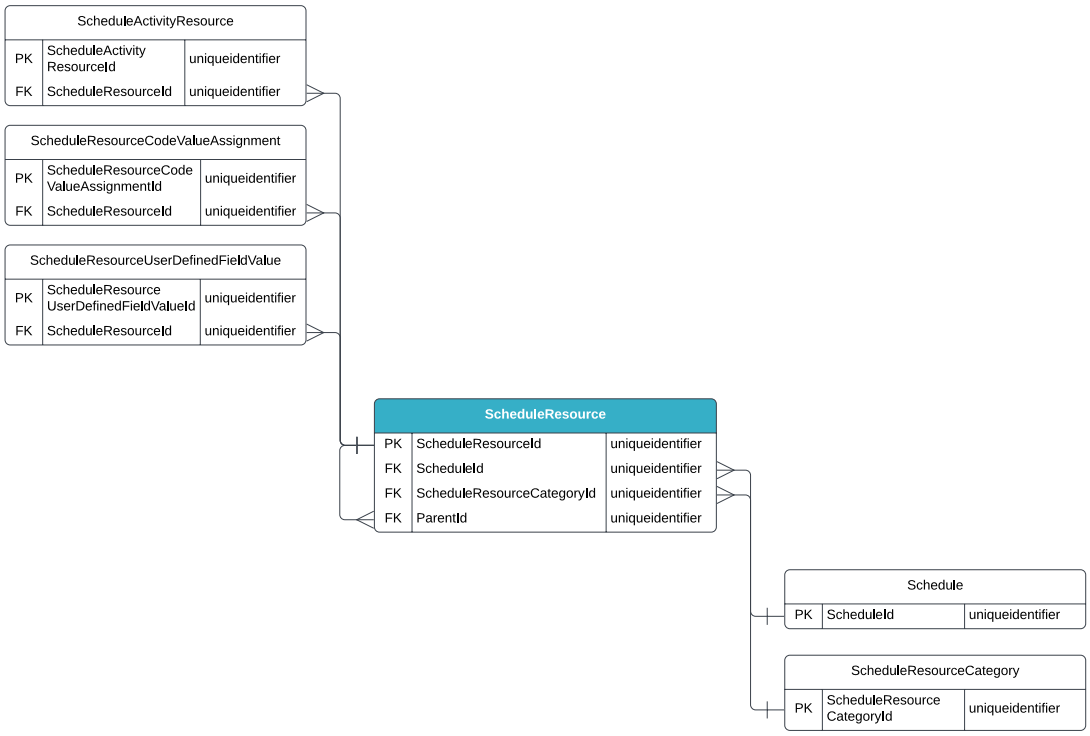
The SelfService_Schedule_ScheduleResource API is one of the multiple APIs comprising the data contained in the Schedule Resource entity. Resources are created in the application's Schedule Configuration view. Users may create three main types of resources: Labor, non-Labor, and Material. Users may further define these values with Units of Measure, Units per Day, Cost per Unit, and unique color codes. These values and other metadata make up the data in the API table.

Relationships and Dependencies

From: Table[1]	To: Table[1]	Relationship	Cardinality[2]
ScheduleActivityResource(SAR)	ScheduleResource(SR)	SAR.ScheduleResourceId : SR.ScheduleResourceId	M:1
ScheduleResourceCodeValueAssignment(SRCDVA)	ScheduleResource(SR)	SRCDVA.ScheduleResourceId : SR.ScheduleResourceId	M:1
ScheduleResourceUserDefinedFieldValue(SRUDFV)	ScheduleResource(SR)	SRUDFV.ScheduleResourceId : SR.ScheduleResourceId	M:1
ScheduleResource(SR)	Schedule(S)	SR.ScheduleId : S.ScheduleId	M:1
ScheduleResource(SR)	ScheduleResourceCategory(SRCAT)	SR.ScheduleResourceCategoryId : SRCAT.ScheduleResourceCategoryId	M:1

[1] *Prefix table name with "SelfService_Schedule_" and exclude table abbreviation for queries (e.g., SelfService_Schedule_ScheduleResource)*
[2] *1:M = One to Many, 1:1 = One to One, M:1 = Many to one*

Figure 1. SelfService_Schedule_ScheduleResource 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_ScheduleResource
Data Refresh/Delta/Incremental Loads		The data in this API will 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	Required?	Key?
ScheduleResourceId	uniqueidentifier	16	0	Y	P
ScheduleId	uniqueidentifier	16	0	N	F
Name	nvarchar(256)	256	0	Y	
Description	nvarchar(256)	256	0	N	
ScheduleResourceCategoryId	uniqueidentifier	16	0	Y	F
UnitOfMeasure	nvarchar(100)	100	0	N	
DefaultPerDay	float	8	53	Y	
CostPerUnit	decimal(16,5)	16	16	Y	
CreatedDate	datetimeoffset	10	34	Y	
CreatedById	bigint	19	19	Y	
ModifiedDate	datetimeoffset	10	34	Y	
ModifiedById	bigint	19	19	Y	
ParentId	uniqueidentifier	16	0	N	F
Position	int	4	10	N	
ColorHexCode	nvarchar(7)	7	0	N	

Field Descriptions

Name	Description	Example(s)
ScheduleResourceId	A unique identifier of a resource. Not visible in the interface.	4ff38fdc-e329-4040-aa16-4c1acb24b244
ScheduleId	A unique identifier assigned to each schedule record in the table.	c1bea20e-5f4e-43cd-8b97-7f73f154792a
Name	A user-defined identifier assigned to a Resource. Referred to as "ID" in the interface.	10.02.04.02
Description	A brief description of the Resource. Referred to as "Name" in the interface.	Exc to Emb crew.
ScheduleResourceCategoryId	A unique identifier assigned to a Resource Category. Not visible in the interface.	ea562f49-0903-4488-ab02-f5b5593158a9
UnitOfMeasure	The unit of measure assigned to the Resource. Typically, Hours for Labor, Each for Non-labor and Material.	Hours
DefaultPerDay	The default quantity of units per working day for the Resource.	8.00
CostPerUnit	The unit cost for a resource.	55
CreatedDate	Date/timestamp the item is created.	2021-05-26 09:52.377 + 00.00
CreatedById	The unique identifier of the user who created the item. Not visible in the Interface.	85136477
ModifiedDate	Date/timestamp the item was modified.	2021-08-02 16:52.000 + 00.00
ModifiedById	The unique identifier of the user who modified the item. Not visible in the Interface.	29834765
ParentId	The ID of the resource that is the parent of the selected resource item.	e586e3d5-8e34-4e13-8cc1-36cced722e19
Position	A user defined order of the Resource within the Resources table.	3
ColorHexCode	A user assigned color for the Resource. Uses the Hex color code format.	00FFFF

Sample

https://ineightsuite-qa-232.hds.ineight.com/reportwebservices/odata/SelfService_Schedule_ScheduleResource


```
{"ScheduleResourceId":"{"ScheduleResourceId":"4ff38fdc-e329-4040-aa16-
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7f73f154792a",", {"Name":"{"Name":"10.02.04.02",",
{"Description":"{"Description":"Exc to Emb crew.",",
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ab02-f5b5593158a9",", {"UnitOfMeasure":"{"UnitOfMeasure":"Hours",",
{"DefaultPerDay":"{"DefaultPerDay":"8",", {"CostPerUnit":"{"CostPerUnit":"55",",
{"CreatedDate":"2021-05-26 09:52.377 + 00.00",
{"CreatedById":"{"CreatedById":"85136477",", {"ModifiedDate":"2021-08-02 16:52.000
+ 00.00", {"ModifiedById":"{"ModifiedById":"29834765",",
{"ParentId":"{"ParentId":"e586e3d5-8e34-4e13-8cc1-36cced722e19",",
{"Position":"{"Position":"3",", {"ColorHexCode":"{"ColorHexCode":"00FFFF","}
```
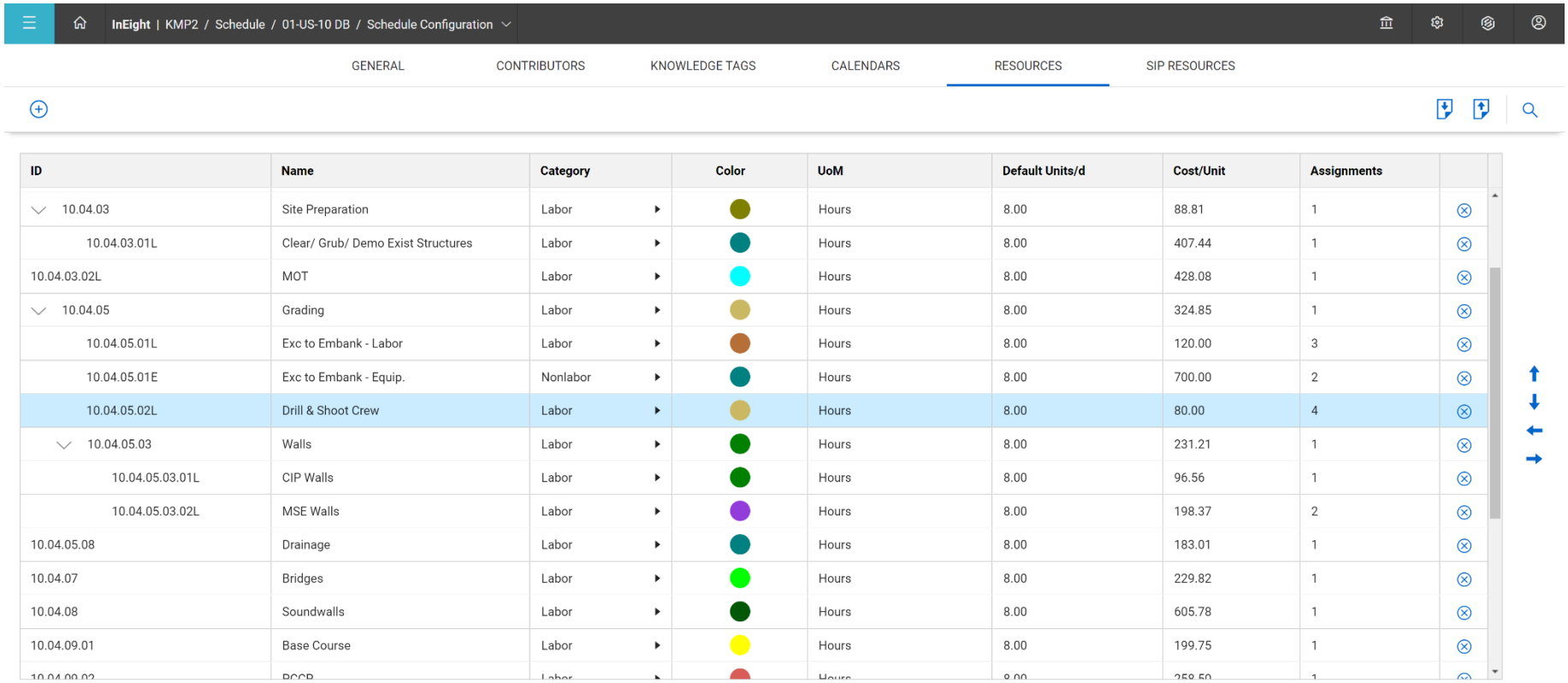

Data Validation

Schedule resources are created in the Schedule Configuration view. Open a schedule, navigate to the Schedule Configuration view, and click on the Resources tab in the table. See Figures 2 and 3 below.

Figure 2. Schedule > Schedule Configuration view > Resources tab



ID	Name	Category	Color	UoM	Default Units/d	Cost/Unit	Assignments
10.04.03	Site Preparation	Labor		Hours	8.00	88.81	1
10.04.03.01L	Clear/ Grub/ Demo Exist Structures	Labor		Hours	8.00	407.44	1
10.04.03.02L	MOT	Labor		Hours	8.00	428.08	1
10.04.05	Grading	Labor		Hours	8.00	324.85	1
10.04.05.01L	Exc to Embank - Labor	Labor		Hours	8.00	120.00	3
10.04.05.01E	Exc to Embank - Equip.	Nonlabor		Hours	8.00	700.00	2
10.04.05.02L	Drill & Shoot Crew	Labor		Hours	8.00	80.00	4
10.04.05.03	Walls	Labor		Hours	8.00	231.21	1
10.04.05.03.01L	CIP Walls	Labor		Hours	8.00	96.56	1
10.04.05.03.02L	MSE Walls	Labor		Hours	8.00	198.37	2
10.04.05.08	Drainage	Labor		Hours	8.00	183.01	1
10.04.07	Bridges	Labor		Hours	8.00	229.82	1
10.04.08	Soundwalls	Labor		Hours	8.00	605.78	1
10.04.09.01	Base Course	Labor		Hours	8.00	199.75	1

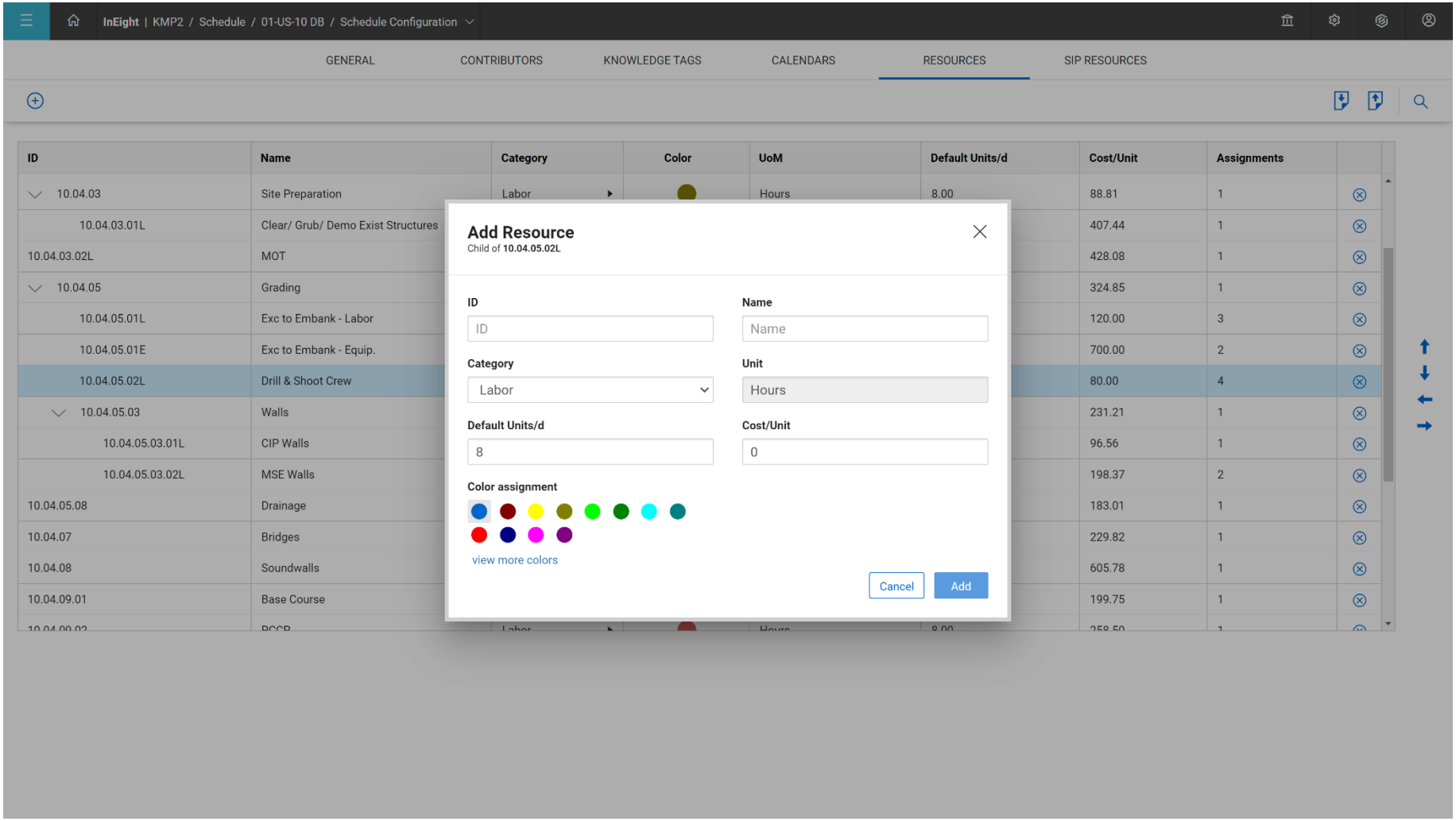



Figure 3. Schedule > Schedule Configuration view > Resources tab > Add Resource