



# Explore API Documentation

## SelfService\_Schedule\_ScheduleResourceCurve

Version 1.0

Last Modified: 5/11/2023

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	5/11/2023	Initial Draft	Kimo Pickering

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## Overview

One of the APIs that make up the Schedule Resource entity is the SelfService\_Schedule\_ScheduleResourceCurve entity. The ScheduleResourceCurve table contains values that serve as foreign key lookups for the ScheduleActivityResource table. These values, set by users while creating resources, depict the shape and distribution of the data in the resource histogram on the Plan view page of the Schedule application. There are typically four types of resource curve shapes:

- Linear (default)
- Front
- Back
- Bell

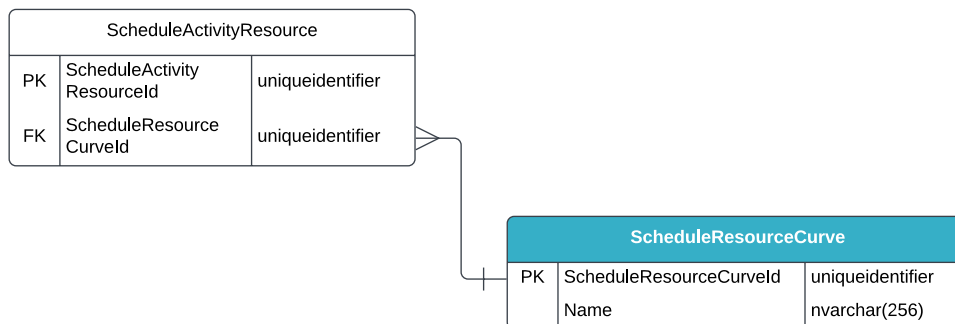
## Relationships and Dependencies

From: Table <sup>1</sup>	To: Table <sup>1</sup>	Relationship	Cardinality <sup>2</sup>
ScheduleActivityResource (SAR)	ScheduleResourceCurve(SRCU)	SAR.ScheduleResourceCurveId : SRCU.ScheduleResourceCurveId	M:1

<sup>1</sup> Prefix table name with “SelfService\_Schedule\_” and exclude table abbreviation for queries (e.g., SelfService\_Schedule\_ScheduleResourceCurve)

<sup>2</sup> 1:M = One to Many, 1:1 = One to One, M:1 = Many to one

Figure 1. SelfService\_Schedule\_ScheduleResourceCurve 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_ScheduleResourceCurve	
Data Refresh/Delta/Incremental Loads	This API will only refresh once per day	
Project Suite	<b>Starting Version</b>	23.8
	<b>Ending Version</b>	N/A

## Supported Filters

All default OData filters are supported by this API.

## Fields

Name	Type	Char Max Length	Numerical Precision	Required?	Key?		
ScheduleResourceCurveId	uniqueidentifier	16	0	Y	P		
Name	nvarchar(256)	256	0	Y			
CreatedDate	datetimeoffset	10	34	Y			
CreatedById	bigint	19	19	Y			
ModifiedDate	datetimeoffset	10	34	Y			
ModifiedById	bigint	19	19	Y			
LanguageId	bigint	19	19	Y			
RowVersion	Bigint	Null	Null	Null	Y		

## Field Descriptions

Name	Description	Example(s)
ScheduleResourceCurveId	A unique identifier of a resource curve type. Not visible in the interface.	05664ab1-b4db-4833-9587-352a87ee3521
Name	The name of the shape of a resource curve. When assigning resources to an activity, users can choose the shape of the resource histogram curve. This option determines the distribution type of the resource assignment over time and includes choices such as Front, Linear, Bell, and Back. The default curve shape is Linear.	Bell
CreatedDate	Date/timestamp the item is created.	2021-08-25 10:05.236 + 00.00
CreatedById	The unique identifier of the user who created the item. Not visible in the Interface.	35498621
ModifiedDate	Date/timestamp the item was modified.	2022-09-30 13:49.121 + 00.00
ModifiedById	The unique identifier of the user who modified the item. Not visible in the Interface.	29834765
LanguageId	The ID assigned to the user's language preference.	99812511
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\\_ScheduleResourceCurve](https://[tenant].hds.ineight.com/reportwebservices/odata/SelfService_Schedule_ScheduleResourceCurve)

```
{"ScheduleResourceCurveId":{"ScheduleResourceCurveId":"05664ab1-b4db-4833-9587-352a87ee3521",", {"Name":{"Name":"Bell",", {"CreatedDate":"2021-08-25 10:05.236 + 00.00", {"CreatedById":{"CreatedById":"35498621",", {"ModifiedDate":"2022-09-30 13:49.121 + 00.00", {"ModifiedById":{"ModifiedById":"29834765",", {"LanguageId":{"LanguageId":"99812511",,"}}
```

## Data Validation

Schedule Resource curve types are assigned from the Iris panel in Plan view. See Figures 2, 3, and 4 below.

**Figure 2. Schedule > Plan view > Select an activity from Activities table > Iris panel > Resource Assignments tab > click on Modify button > Select Resource from Available Resources table > Select curve type from dropdown list in Curve column**

The screenshot displays the software interface in Plan view. The main area shows a Gantt chart with activity bars across a timeline from April 2017 to September 2017. On the left, a table lists activities with columns for ID, Description, Actions, ID, Start Date, Finish Date, Duration, Float, Resources, and Resource Assignments. A modal window titled "A6550: Exc/ Emb Roadway ML and Ramps Scrapers S Seg <1mile" is open, showing a table of available resources. The table has columns for ID, Name, Category, Color, Curve, Units/Id, Unit, Cost/Unit, FTE/Qty, Plan, Rem, and Act. A dropdown menu is open for the "Curve" column, showing options: Linear (selected), Front, Ball, and Back.

ID	Name	Category	Color	Curve	Units/Id	Unit	Cost/Unit	FTE/Qty	Plan	Rem	Act
10.04.05.01E	Exc to Embank - Equip.	Nonlabor	Green	Linear	8	Hours	700	1	656	656	0
10.04.05.01L	Exc to Embank - Labor	Labor	Orange	Linear	188.6601	Hours	188.6601	1	656	656	0



Figure 3. Schedule > Plan view > View options > Resource Histogram > Select Activity > Select Resource type from bottom left panel > Linear curve example

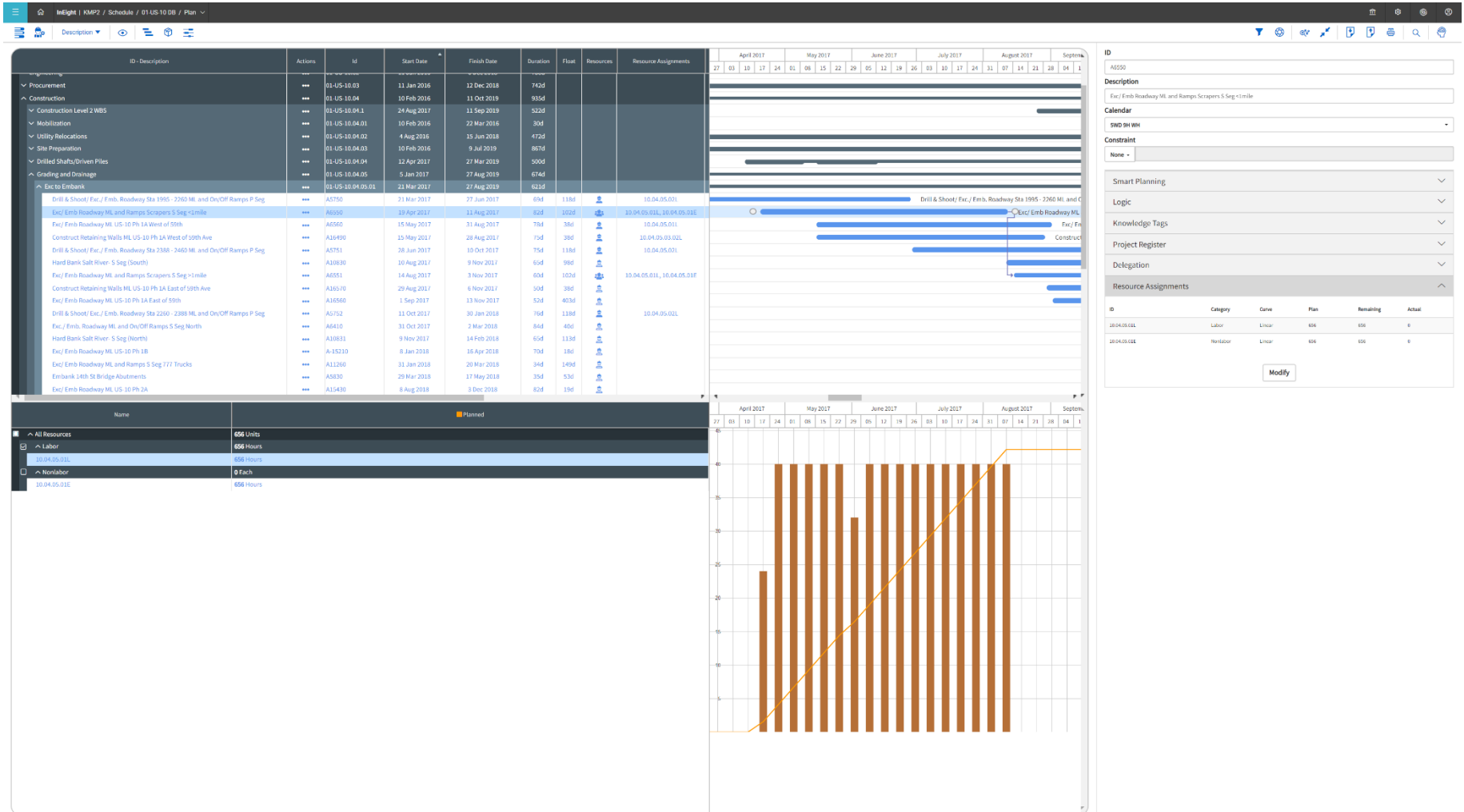


Figure 4. Schedule > Plan view > View options > Resource Histogram > Select Activity > Select Resource type from bottom left panel > Bell curve example

