



Explore API Documentation

SelfService_Schedule_ScheduleLogicLinkType

Version 1.0

Last Modified: 5/8/2023

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	5/8/2023	Initial Draft	Kimo Pickering

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Overview

The SelfService_Schedule_ScheduleLogicLinkType API is one of the multiple APIs comprising the data contained in the Schedule Logic Link entity. The application's Plan view's Iris panel Logic tab is where the values contained in the API table come from. The user assigns Schedule Logic Link Types when an activity is created or modified and tied to a predecessor activity and/or a successor activity. Logic Link Types, also known as relationship types, define the behavior between two activities. Relationship types include Finish to Start (FS), Finish to Finish (FF), Start to Start (SS), and Start to Finish (SF).

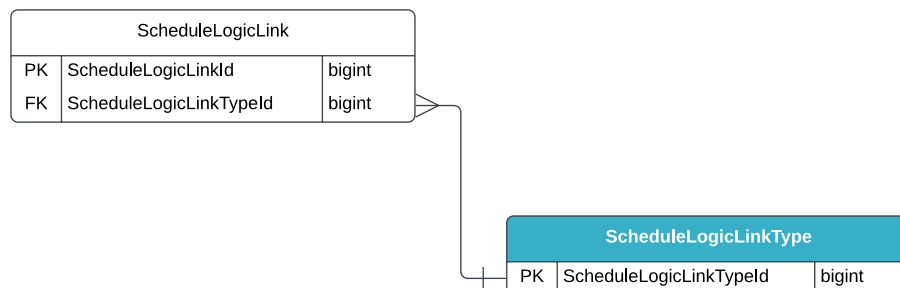
Relationships and Dependencies

From: Table ¹	To: Table ¹	Relationship	Cardinality ²
ScheduleLogicLink(SLL)	ScheduleLogicLinkType(SLLT)	SLL.ScheduleLogicLinkTypeId : SLLT.ScheduleLogicLinkTypeId	M:1

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

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

Figure 1. SelfService_Schedule_ScheduleLogicLinkType 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_ScheduleLogicLinkType	
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	Numeric Precision	Required?	Key?
ScheduleLogicLinkTypeld	bigint	19	19	Y	P
Name	nvarchar(20)	20	0	Y	
Displayld	nvarchar(2)	2	0	Y	
Languageld	bigint	19	19	Y	
CreatedDate	datetimeoffset	10	34	Y	
CreatedByld	bigint	19	19	Y	
ModifiedDate	datetimeoffset	10	34	Y	
ModifiedByld	bigint	19	19	Y	
RowVersion	Bigint	Null	Null	Null	Y

Field Descriptions

Name	Description	Example(s)
ScheduleLogicLinkTypeld	A unique identifier assigned to a Logic Link Type.	94822117
Name	The name of the type of Logic Link. (e.g., Finish to Start, Start to Start, etc.)	Finish to Start
Displayld	An abbreviation of the type of Logic Link. (e.g., FS, SS, FF, SF)	FS
Languageld	A unique identifier assigned to the user's language preference.	61483297
CreatedDate	Date/timestamp the item is created.	2020-08-11 09:53.000 + 00.00
CreatedByld	The unique identifier of the user who created the item. Not visible in the Interface.	35498621
ModifiedDate	Date/timestamp the item was modified.	2020-10-09 15:07.000 + 00.00
ModifiedByld	The unique identifier of the user who modified the item. Not visible in the Interface.	29834765
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_ScheduleLogicLinkType](https://[tenant].hds.ineight.com/reportwebservices/odata/SelfService_Schedule_ScheduleLogicLinkType)

```
{"ScheduleLogicLinkIdType": {"ScheduleLogicLinkIdType": "94822117",  
{"Name": {"Name": "Finish to Start",  
{"LanguageId": {"LanguageId": "61483297",  
00.00", {"CreatedBy": {"CreatedBy": "35498621",  
15:07.000 + 00.00", {"ModifiedBy": {"ModifiedBy": "29834765",
```

Data Validation

The user assigns Schedule Logic Link Types when an activity is created and tied to a predecessor activity and/or a successor activity. Logic Link Types, also known as relationship types, define the behavior between two activities. Navigate to the Plan view, click on an activity in the Activities table or the Gantt chart, open the Iris panel, click on the Logic tab to see the activity's predecessors and successors and the relationship types (e.g., FS, FF, SF, or SS). See Figure 2 below.

Figure 2. Schedule > Plan view > Select an Activity > Iris > Logic tab

The screenshot displays the InEight software interface in the 'Plan' view. The main area shows a Gantt chart with a grid for months from 2019 to 2020. A table of activities is visible on the left, with the 'Project Closeout' activity selected. The right-hand side shows the 'Iris' panel with the 'Logic' tab active. A red box highlights the relationship type dropdown menu, which is currently set to 'FS' (Finish to Start) and shows a list of options: 'Finish to Start', 'Finish to Finish', 'Start to Finish', and 'Start to Start'. The 'Activity' field is set to 'AS420' and the 'Lag (d)' is set to 0.

ID - Description	Actions	Id	Start Date	Finish Date	Duration	Remaining Duration	Float
US-10 Pre-bid	...	01-US-10	11 Jan 2016	24 Apr 2020	1096d	1096d	
WBS Level 1	...	01-US-10.1	11 Jan 2016	12 Feb 2016	24d	24d	
WBS Summary Activity	...	A16760	11 Jan 2016	12 Feb 2016	24d	24d	1072d
Planning Package	...	01-US-10.1.1	11 Jan 2016	12 Feb 2016	24d	24d	
Milestones	...	01-US-10.01	11 Jan 2016	24 Apr 2020	1096d	1096d	
Contract Execution	...	A2650	11 Jan 2016	9 Feb 2016	22d	22d	18d
Notice of Award	...	A2670	11 Jan 2016		0d	0d	24d
Litigation of Segment C	...	A11920	11 Jan 2016	5 May 2018	846d	846d	229d
Finish Milestone Constraint Type 3 - Finish On Or Before	...	A16690		11 Jan 2016*	0d	0d	1087d
Start Milestone Constraint Type 2 - Start On Or Before	...	A16630	11 Jan 2016*		0d	0d	131d
NTP 1	...	A2640	10 Feb 2016		0d	0d	18d
NTP 2	...	A5400	13 Jul 2016		0d	0d	212d
Start Milestone Constraint Type 1 - Start On Or After	...	A16620	13 Jul 2016*		0d	0d	965d
Start Milestone Constraint Type 3 - Must Start On	...	A16640	18 Jul 2016*		0d	0d	0d
Start Milestone Constraint Type 4 - Mandatory Start	...	A16650	19 Jul 2016*		0d	0d	0d
Construction Start Date	...	A5440	5 Jan 2017		0d	0d	133d
NTP 3	...	A5410	7 May 2018		0d	0d	164d
Project Closeout	...	A11930	12 Oct 2019	8 Apr 2020	180d	180d	11d
Substantial Completion	...	A5420		12 Oct 2019*	0d	0d	10d
Final Completion	...	A5430		8 Apr 2020*	0d	0d	11d
Finish Milestone Constraint Type 2 - Finish On Or After	...	A16680		9 Apr 2020*	0d	0d	11d
Finish Milestone Constraint Type 4 - Must Finish On	...	A16700		17 Apr 2020*	0d	0d	0d
Start Milestone Constraint Type 5 - As Late As Possible	...	A16670	23 Apr 2020		0d	0d	0d
Finish Milestone Constraint Type 1 - As Late As Possible	...	A16660		23 Apr 2020	0d	0d	0d
Finish Milestone Constraint Type 5 - Mandatory Finish	...	A16710		24 Apr 2020*	0d	0d	0d
Engineering	...	01-US-10.02	11 Jan 2016	6 Dec 2018	738d	738d	
Procurement	...	01-US-10.03	11 Jan 2016	12 Dec 2018	742d	742d	
Construction	...	01-US-10.04	10 Feb 2016	11 Oct 2019	935d	935d	