



Explore API Documentation

SelfService_Schedule_ScheduleCalendarException

Version 1.0

Last Modified: 5/4/2023

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	5/4/2023	Initial Draft	Kimo Pickering

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Overview

The SelfService_Schedule_ScheduleCalendarException API is one of the multiple APIs comprising the data contained in the Schedule Calendar entity. The application's Schedule Configuration Calendars table is where the values contained in the API table come from. Calendar Exceptions define any workday exceptions for a specific Schedule Calendar. Holidays and work hours exceptions to a particular date make up the exceptions of a Schedule Calendar.

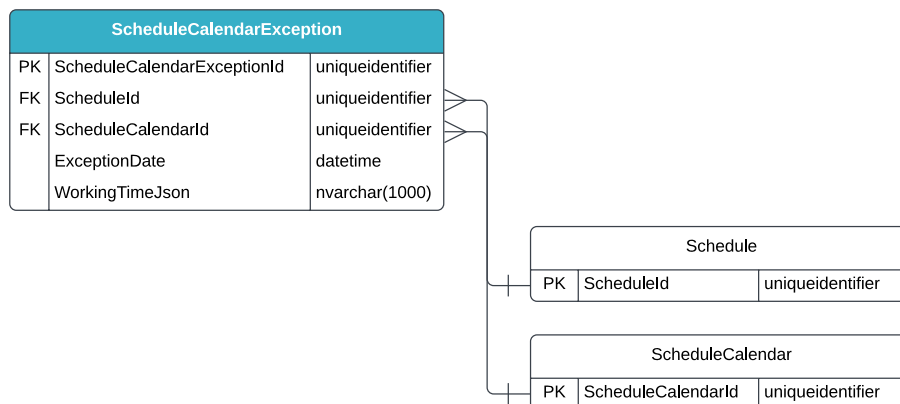
Relationships and Dependencies

From: Table ¹	To: Table ¹	Relationship	Cardinality ²
ScheduleCalendarException(SCE)	Schedule(S)	SCE.ScheduleId : S.ScheduleId	M:1
ScheduleCalendarException(SCE)	ScheduleCalendar(SCA)	SCE.ScheduleCalendarId : SCA.ScheduleCalendarId	M:1

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

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

Figure 1. SelfService_Schedule_ScheduleCalendarException 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_ScheduleCalendarException	
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?
ScheduleCalendarExceptionId	uniqueidentifier	16	0	Y	P
ScheduleId	uniqueidentifier	16	0	N	F
ScheduleCalendarId	uniqueidentifier	16	0	Y	F
ExceptionDate	datetime	8	23	Y	
WorkingTimeJson	nvarchar(1000)	1000	0	N	
CreatedDate	datetimeoffset	10	34	Y	
CreatedById	bigint	19	19	Y	
ModifiedDate	datetimeoffset	10	34	Y	
ModifiedById	bigint	19	19	Y	
RowVersion	Bigint	Null	Null	Null	Y

Field Descriptions

Name	Description	Example(s)
ScheduleCalendarExceptionId	A unique identifier assigned to a Calendar Exception date field. Not visible in the interface.	6d6e750d-2fc6-4717-9ff3-4341b9cd3823
ScheduleId	A unique identifier assigned to each schedule record in the application's Home Page project workspace table. Formerly known as the Project Id.	df931959-c2cd-43ea-bf55-6daf18b21a1d
ScheduleCalendarId	A unique identifier assigned to each calendar in a schedule. Not visible in the interface.	5f07fd60-065b-4326-a9d0-38dabbe9c1bd
ExceptionDate	A date manually added to an activity calendar is either a non-workday or a specific workday with modified work hours. Typically, a holiday or designated day of the week with work hours changed from the typical workday in the calendar.	2019-12-25 00:00:00.000
WorkingTimeJson	The time of day, in 24-hour format, is used in the work hours calculation for a Calendar Exception date. Values are formatted using the JSON format. Not visible in the interface.	{"8":true,"8.5":true,"9":true,"9.5":true,"10":true,"10.5":true,"11":true,"11.5":true,"13":true,"13.5":true,"14":true,"14.5":true,"15":true,"15.5":true,"16":true,"16.5":true}
CreatedDate	Date/timestamp the item is created.	2019-02-07 15:08.000 + 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.	2019-04-15 16:01.000 + 00.00
ModifiedById	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

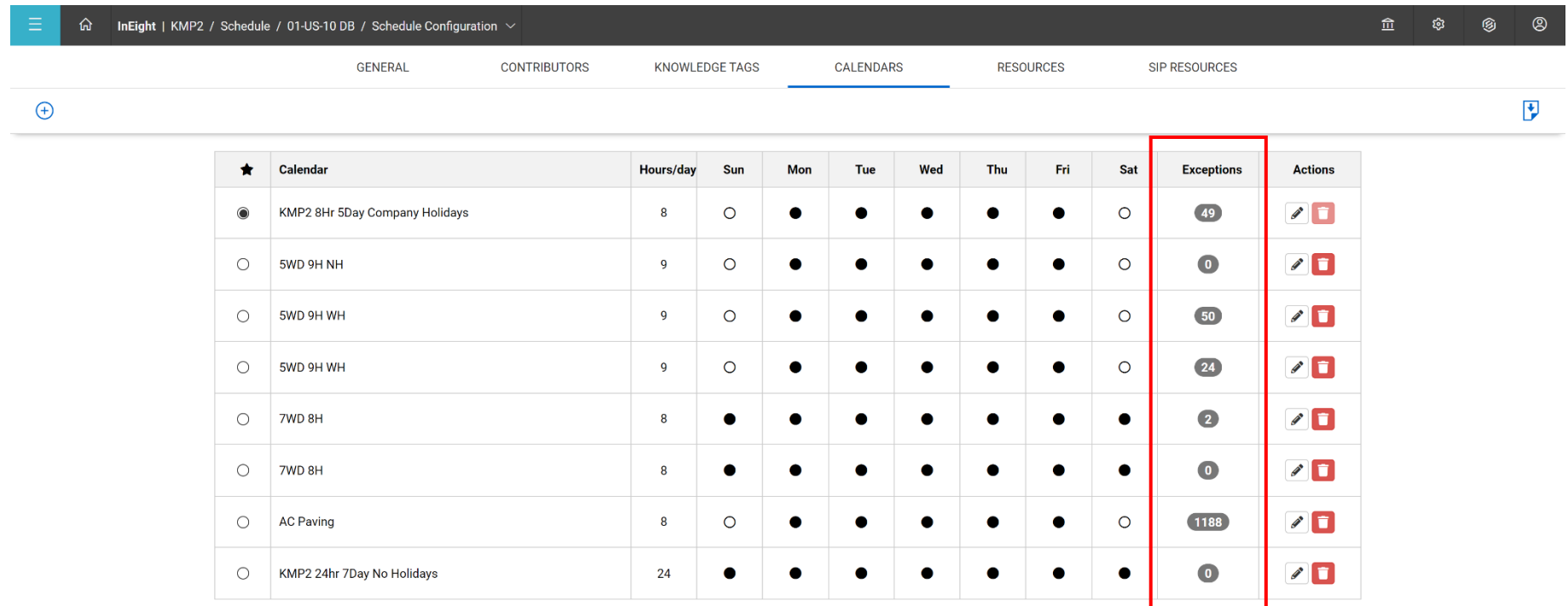
[https://\[tenant\].hds.ineight.com/reportwebservices/odata/SelfService_Schedule_ScheduleCalendarException](https://[tenant].hds.ineight.com/reportwebservices/odata/SelfService_Schedule_ScheduleCalendarException)

```
{"ScheduleCalendarExceptionId":{"ScheduleCalendarExceptionId":"6d6e750d-2fc6-4717-9ff3-4341b9cd3823"}, {"ScheduleId":{"ScheduleId":"df931959-c2cd-43ea-bf55-6daf18b21a1d"}, {"ScheduleCalendarId":{"ScheduleCalendarId":"5f07fd60-065b-4326-a9d0-38dabbe9c1bd"}, {"ExceptionDate":"2019-12-25 00:00.000 + 00.00", {"WorkingTimeJson":{"WorkingTimeJson":{"8":true,"8.5":true,"9":true,"9.5":true,"10":true,"10.5":true,"11":true,"11.5":true,"13":true,"13.5":true,"14":true,"14.5":true,"15":true,"15.5":true,"16":true,"16.5":true}}}, {"CreatedDate":"2019-02-07 15:08.000 + 00.00", {"CreatedById":{"CreatedById":"35498621"}, {"ModifiedDate":"2019-04-15 16:01.000 + 00.00", {"ModifiedById":{"ModifiedById":"29834765"}, {"
```

Data Validation

Schedule Calendar Exceptions are created in the Schedule Configuration module. Navigate to the Schedule Configuration view, click on the Calendars tab, then the dark grey icon in the “Exceptions” column of the Calendar of interest. See images below.

Figure 2. Schedule > Schedule Configuration view > CALENDARS tab



★	Calendar	Hours/day	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Exceptions	Actions
<input checked="" type="radio"/>	KMP2 8Hr 5Day Company Holidays	8	○	●	●	●	●	●	○	49	
<input type="radio"/>	5WD 9H NH	9	○	●	●	●	●	●	○	0	
<input type="radio"/>	5WD 9H WH	9	○	●	●	●	●	●	○	50	
<input type="radio"/>	5WD 9H WH	9	○	●	●	●	●	●	○	24	
<input type="radio"/>	7WD 8H	8	●	●	●	●	●	●	●	2	
<input type="radio"/>	7WD 8H	8	●	●	●	●	●	●	●	0	
<input type="radio"/>	AC Paving	8	○	●	●	●	●	●	○	1188	
<input type="radio"/>	KMP2 24hr 7Day No Holidays	24	●	●	●	●	●	●	●	0	

Figure 3. Schedule > CALENDARS tab > Exceptions

InEight | KMP2 / Schedule / 01-US-10 DB / Schedule Configuration

GENERAL CONTRIBUTORS KNOWLEDGE TAGS CALENDARS RESOURCES SIP RESOURCES

★ Calendar	Hours/d...	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Exceptions	Actions
● KMP2 8Hr 5Day Company Holidays	8	○	●	●	●	●	●	○	49	

NOVEMBER 2016

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Work
 Nonwork
 Exception

Exceptions

- July 04 2016 Holiday
- September 05 2016 Holiday
- November 24 2016 Holiday
- November 25 2016 Holiday
- December 23 2016 Holiday
- December 26 2016 Holiday
- January 02 2017 Holiday
- May 29 2017 Holiday