



Explore API Documentation

SelfService_Schedule_ScheduleRegisterEventMitigation

Version 1.0

Last Modified: 4/3/2023

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	4/3/2023	Initial Draft	Kimo Pickering

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Overview

The SelfService_Schedule_ScheduleRegisterEventMitigation API is one of multiple APIs comprising the data contained in the Schedule Register Event entity. The SelfService_Schedule_ScheduleRegisterEventMitigation table contains the mitigation plans (if any), dates, and other mitigation values assigned to individual Risk Register Events.

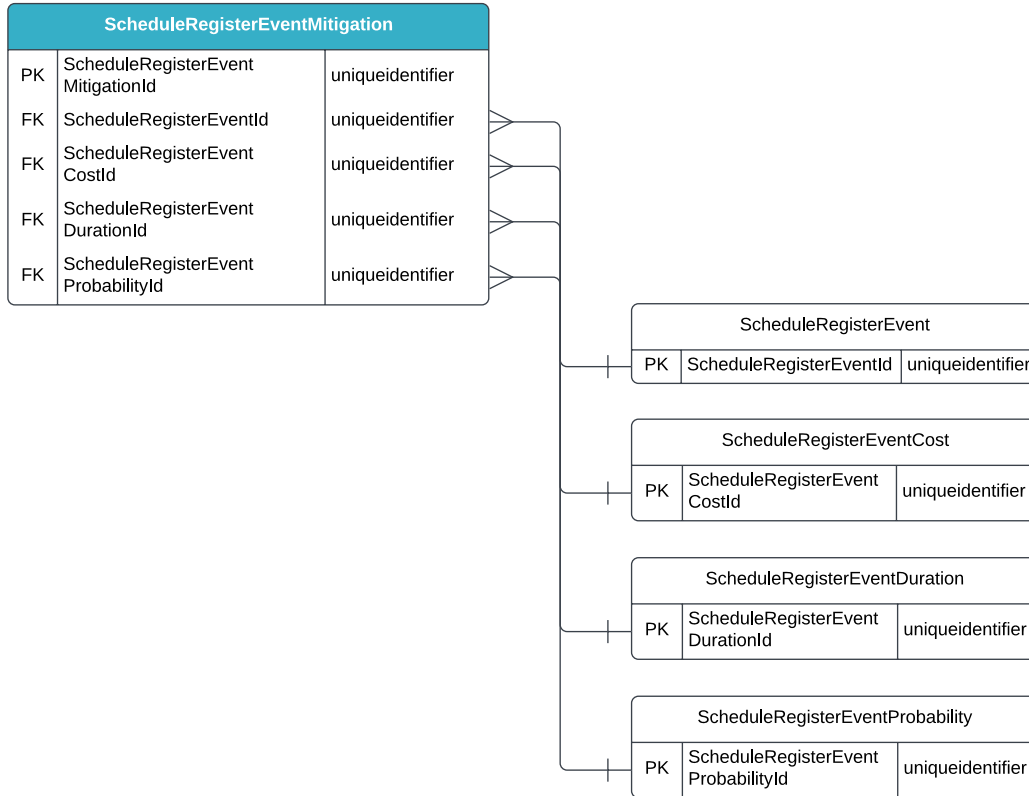
Relationships and Dependencies

From: Table ¹	To: Table ¹	Relationship	Cardinality ²	Comment
ScheduleRegisterEventMitigation(SREM)	ScheduleRegisterEvent(SRE)	SREM.ScheduleRegisterEventId : SRE.ScheduleRegisterEventId	M:1	
ScheduleRegisterEventMitigation(SREM)	ScheduleRegisterEventProbability(SREP)	SREM.ScheduleRegisterEventProbabilityId : SREP.ScheduleRegisterEventProbabilityId	M:1	
ScheduleRegisterEventMitigation(SREM)	ScheduleRegisterEventDuration(SRED)	SREM.ScheduleRegisterEventDurationId : SRED.ScheduleRegisterEventDurationId	M:1	
ScheduleRegisterEventMitigation(SREM)	ScheduleRegisterEventCost(SREC)	SREM.ScheduleRegisterEventCostId : SREC.ScheduleRegisterEventCostId	M:1	

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

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

Figure 1. SelfService_Schedule_ScheduleRegisterEventMitigation 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_ScheduleRegisterEventMitigation	
Data Refresh/Delta/Incremental Loads	The data in this API will only refresh once per day	
Project Suite	Starting Version	23.6
	Ending Version	N/A

Supported Filters

All default OData filters are supported by this API.

Fields

Name	Type	Char Max Length	Precision	Scale	Required?	Product	PK
ScheduleRegisterEventMitigationId	uniqueidentifier	16	0		Y		P
MitigationId	nvarchar(64)	64	0		N		
ScheduleRegisterEventId	uniqueidentifier	16	0		Y		F
MitigationSteps	nvarchar(2500)	2500	0		N		
ScheduleRegisterEventProbabilityValueId	uniqueidentifier	16	0		N		
ScheduleRegisterEventDurationValueId	uniqueidentifier	16	0		N		
ScheduleRegisterEventCostValueId	uniqueidentifier	16	0		N		
MitigationCost	decimal(16,5)	17	16	5	N		
MitigationOwner	nvarchar(50)	50	0		N		
DueDate	datetime2	8	27	7	N		
IsPreferred	bit	1	1		Y		
StartDate	datetime2	8	27	7	N		
EndDate	datetime2	8	27	7	N		

Field Descriptions

Name	Description	Example(s)
ScheduleRegisterEventMitigationId	The unique identifier for a Schedule Register Event Mitigation item. Not visible in the interface.	a735277c-04db-4a32-a867-be14865f432d
MitigationId	An identifier assigned by the system for a mitigation plan/step (e.g., M1, M2, M3, etc.).	M1
ScheduleRegisterEventId	A unique identifier assigned to the selected Register Event. Not visible in the interface.	2c868ade-2dd3-4e08-a638-223e4dd31fe3
MitigationSteps	The risk mitigation plan the Mitigation Owner must take to mitigate the risk event to the project. Multiple options are available.	Go to alternative supplier at a premium.
ScheduleRegisterEventProbabilityValueId	A unique identifier assigned to each type of Register Event Probability. Not visible in the interface.	58d39bdc-400a-47a0-ad55-f3541a724567
ScheduleRegisterEventDurationValueId	A unique identifier assigned to each type of Register Event Duration impact. Not visible in the interface.	321c279a-4b27-4007-8ac1-eecc80c5eec7
ScheduleRegisterEventCostValueId	A unique identifier assigned to each type of Register Event Cost. Not visible in the interface.	21c51217-543b-4562-8aca-8688fb6f01f1
MitigationCost	The estimated cost to mitigate the risk event.	\$27,500

MitigationOwner	A person or entity assigned to mitigate the risk event for the project.	Contractor
DueDate	The planned date the risk event needs to be mitigated.	2022-04-24 13:08:51.000
IsPreferred	The preferred mitigation plan when multiple plans/steps are entered in the Risk Register. 0 = False, 1 = True.	1
StartDate	The date the mitigation plan/steps begin.	2021-07-22 11:15:16.213
EndDate	The date the mitigation plan/steps end.	2022-06-23 09:17:30.412

Sample

SelfService_Schedule_ScheduleRegisterEventMitigation

```
{
  "ScheduleRegisterEventMitigationId": "a735277c-04db-4a32-a867-be14865f432d",
  "MitigationId": "172ac358-33fd-45fa-82f9-08bf6ef049b0",
  "ScheduleRegisterEventId": "2c868ade-2dd3-4e08-a638-223e4dd31fe3",
  "MitigationSteps": "Go to alternative supplier at a premium.",
  "ScheduleRegisterEventProbabilityValueId": "58d39bdc-400a-47a0-ad55-f3541a724567",
  "ScheduleRegisterEventDurationValueId": "321c279a-4b27-4007-8ac1-eecc80c5eec7",
  "ScheduleRegisterEventCostValueId": "21c51217-543b-4562-8aca-8688fb6f01f1",
  "MitigationCost": "27500",
  "MitigationOwner": "Contractor",
  "DueDate": "2022-04-24 13:08.000",
  "IsPreferred": "1",
  "StartDate": "2021-07-22 11:15.213",
  "EndDate": "2022-06-23 09:17.412"}

```

Data Validation

The Register Event Mitigation values assigned to Register Events can be found by navigating to the Risk Register view and selecting the “+” icon (1) in the Mitigation column for the Register Event of interest.

Figure 2. Schedule > Risk Register view

The screenshot displays the Risk Register interface. A modal window titled "R21.1 - Expansion joints not designed" is open, showing the following details:

- Probability:** High (75%)
- Duration Impact:** Medium (€60k)
- Cost Impact:** High (€1MM)
- Unmitigated Score:** 16

The modal also contains a table of mitigations:

ID	Mitigation	%	Dur	\$	Score	Cost	Owner	Start	End	Due Date	Preferred
M1	Go to alternative supplier at a premium.	High (75%)	Med (€60k)	High (€1MM)	16	\$ 150000	Contractor				<input type="radio"/>
M2	Mitigation Steps - Option 2	High (75%)	Med (€60k)	High (€1MM)	16		Contractor	03 Apr 2023	19 Apr 2023	21 Apr 2023	<input checked="" type="radio"/>

The main Risk Register table in the background shows various events with their respective metrics. A red arrow labeled '1' points to the '+' icon in the Mitigation column for event R21.1.