



## **Explore API Documentation**

# SelfService\_Compliance\_EventTaskData

## **Pivot Instructions**

Version 1.0

Last Modified: 10/18/2022 Last Modified By: Natalie Takacs

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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	8/18/2022	Initial draft	Natalie Takacs

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## Overview

The below tutorial provides a mechanism for transforming the data provided in our Compliance API to show each question on a form as a column and each response as the value of that column. For example, if a form has five questions, the native API would show each question as a Row, with the response in a separate column, also in rows.

Ex:

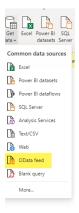
Activity ID	Question Name:	Answer:
1	Question 1	Answer 1
1	Question 2	Answer 2
1	Question 3	Answer 3
1	Question 4	Answer 4
1	Question 5	Answer 5

The below method will move the question into a column of its own.

Ex:

Activity ID	Question 1	Question 2	Question 3	Question 4	Question 5
1	Response	Response	Response	Response	Response
	1	2	3	4	5

To get started, connect to the Compliance API using the OData Connector



#### Navigate to your environment

● Basic ○ Advanced	
JRL https://apitest.ineight.com/reporting/v1/demo/odata	

Select the Compliance APIs



compliance	× SelfService_Compli	ance_TemplateData	
Display Options 🔹	InspectActivityTypeId	InspectActivityTypeStatusId	FormTitleId Displa
https://apitest.ineight.com/reporting/v1/demo/oda	ita i	1 2	1
✓ Ⅲ SelfService_Compliance_CategoryData			
✓ Ⅲ SelfService_Compliance_EventTaskData			
SelfService_Compliance_GeneralHeaderData			
SelfService_Compliance_InEightOBSData			
SelfService_Compliance_ModuleData			
SelfService_Compliance_TemplateData	8	3 2	1
		2	1
	10		
	11		
	15		
	14		
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	10	5 2	1
	15		
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	23		h.
Search results are limited to already expanded items	<		>

### Select Transform Data



Click on the SelfService\_Compliance\_EventTaskData API

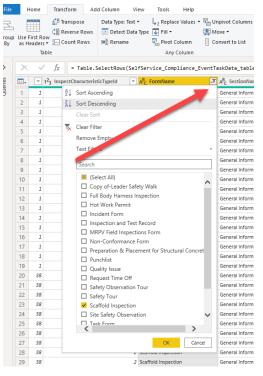
Queries [6]	<	$\times \sqrt{f_x} = Tab$	le.Sel
SelfService_Compliance_CategoryData		∎ <sub>▼</sub> 1 <sup>2</sup> 3 InspectActivityId	<b>*</b> 1
SelfService_Compliance_EventTaskData		1	1
SelfService_Compliance_GeneralHeaderData		2	1
SelfService_Compliance_InEightOBSData	:	3	1
SelfService_Compliance_ModuleData	Selfs	Service_Compliance_InEight	:OBSDa
SelfService_Compliance_TemplateData		5	1
		6	1
		7	1
		8	1
		9	1
	1	10	1

Filter the data to the form you intend to report on

Note: It is recommended you only report on the same kind of form or a single form at a time, as the method below will create a column for each question. The limit on number of columns in PowerBI across all datasets is 16,000 – which is a very unmanageable number for a user, but also would be easy to reach if you don't filter on the form and create columns for every question on every single form.







Remove all columns until you only have the following 3 columns:

- ActivityID this field is unique for each submission of the form
- QuestionName
- Response

	<pre>rce{[Name="SelfService_Comp</pre>				-			
↓ 1 <sup>2</sup> 3 InspectActivityId	<ul> <li>1<sup>2</sup>3 InspectActivityTypeId</li> </ul>	<ul> <li>A<sup>B</sup><sub>C</sub> DisplayId</li> </ul>	<ul> <li>1<sup>2</sup>3 InspectActivityResponseld</li> </ul>	<ul> <li>1<sup>2</sup>3 InspectActivitySectionId</li> </ul>	<ul> <li>1<sup>2</sup>3 InspectCharacteristicTypeId</li> </ul>		<ul> <li>A<sup>B</sup><sub>C</sub> SectionName</li> </ul>	<ul> <li>A<sup>B</sup><sub>C</sub> QuestionName</li> </ul>
1	1	26 2019080600001		1	1	3 Scaffold Inspection	General Information	Event Date
2	1	26 2019080600001		2	1	3 Scaffold Inspection	General Information	Date of inspection
3	1	26 2019080600001		3	1	7 Scaffold Inspection	General Information	Scaffold Type
4	1	26 2019080600001		4	1	10 Scaffold Inspection	General Information	Location
5	1	26 2019080600001		5	1	2 Scaffold Inspection	General Information	Are sills properly placed?
6	1	26 2019080600001		6	1	2 Scaffold Inspection	General Information	Have screw jacks been us
7	1	26 2019080600001		7	1	2 Scaffold Inspection	General Information	Are base places and/or sc
8	1	26 2019080600001		8	1	2 Scaffold Inspection	General Information	Are all scaffold legs brace
9	1	26 2019080600001		9	1	2 Scaffold Inspection	General Information	Have free-standing tower
0	1	26 2019080600001		10	1	2 Scaffold Inspection	General Information	Are working level platforr
1	1	26 2019080600001		11	1	2 Scaffold Inspection	General Information	Does planking have min. :
2	1	26 2019080600001		12	1	2 Scaffold Inspection	General Information	Are toe-boards installed p
13	1	26 2019080600001		13	1	2 Scaffold Inspection	General Information	Has a PFPS tie-off analysis
4	1	26 2019080600001		14	1	2 Scaffold Inspection	General Information	Are safety harnesses avai
5	1	26 2019080600001		15	1	2 Scaffold Inspection	General Information	Are outriggers properly in
6	1	26 2019080600001		16	1	2 Scaffold Inspection	General Information	Are platforms fully planke
17	1	26 2019080600001		17	1	2 Scaffold Inspection	General Information	Are wheel breaks operation
8	1	26 2019080600001		18	1	2 Scaffold Inspection	General Information	All caster or wheel stems
19	1	26 2019080600001		20	1	11 Scaffold Inspection	General Information	Submit and Complete
20	2	27 2019080600002		21	2	3 Full Body Harness Inspection	General Information	Date of Inspection
21	2	27 2019080600002		22	2	10 Full Body Harness Inspection	General Information	Harness Model
22	2	27 2019080600002		23	2	3 Full Body Harness Inspection	General Information	Manufacture Date
23	2	27 2019080600002		24	2	8 Full Body Harness Inspection	General Information	Serial Number
24	2	27 2019080600002		25	3	2 Full Body Harness Inspection	Inspection Information	Shoulder Straps
25	2	27 2019080600002		26	3	2 Full Body Harness Inspection	Inspection Information	Chest Straps
26	2	27 2019080600002		27	3	2 Full Body Harness Inspection	Inspection Information	Leg Straps
27	2	27 2019080600002		28	3	2 Full Body Harness Inspection	Inspection Information	Back Straps
28	2	27 2019080600002		29	3	2 Full Body Harness Inspection	Inspection Information	Shoulder Straps
29	2	27 2019080600002		30	3	2 Full Body Harness Inspection	Inspection Information	Chest Straps
80	2	27 2019080600002		31	3	2 Full Body Harness Inspection	Inspection Information	Leg Straps
81	2	27 2019080600002		32	3	2 Full Body Harness Inspection	Inspection Information	Back Straps
32	2	27 2019080600002		33	3	2 Full Body Harness Inspection	Inspection Information	Side D-rings
13	2	27 2019080600002		34	3	2 Full Body Harness Inspection	Inspection Information	Back D-rings
34	2	27 2019080600002		35	3	2 Full Body Harness Inspection	Inspection Information	Front D-rings (if present)
35	2	27 2019080600002		36	3	2 Full Body Harness Inspection	Inspection Information	Buckles
86	2	27 2019080600002		37	3	2 Full Body Harness Inspection	Inspection Information	Grommets
37	2	27 2019080600002		38	3	2 Full Body Harness Inspection	Inspection Information	Tags & Labels
38	2	27 2019080600002		39	4	10 Full Body Harness Inspection	Final Sign Off	Overall Condition

Right Click and Select Remove Columns



w carry	Data Sources	urumet	cia (200	v	manage columns - Reac
$f_X = Sou$	unce{[Name="SelfS	ervice	_Compliance_EventT	askData",Si	gnature= <mark>"table</mark> "]}[Data]
ectActivityId	<ul> <li>1<sup>2</sup>3 InspectAc</li> </ul>	ti i 📄	Сору		1 <sup>2</sup> 3 InspectActivityRespon
	1	¥	Remove Columns		
	1	-	Remove Other Colum	ns	
	1	5	Add Column From Ex	amples	
	1	-	Remove Duplicates		
	1	-	Remove Errors		
	1	1	Replace Values		
	1	92	Fill		F
	1				
	1		Change Type		•
	1		Merge Columns		
	1	2	Group By		
	1	<b>*</b>	Unpivot Columns		
	1		Unpivot Other Colum	ns	
	1		Unpivot Only Selected	d Columns	
	1		Move		•
	1	_	26 20190806	00001	
	1		26 20190806		
	2		27 20190806	00002	
	2		27 20190806	00002	
	2		27 20190806	00002	

Your view should look like this, with all other columns removed

Note: Removing the columns doesn't remove them forever, you can always modify your applied steps or join the API in again for another form or if you needed more information that was removed in this step (Section for example)

All Properties						
÷						
÷						



> 🔀 X of x = Table.RemoveColumns(#"Filtered Rows1",{"SectionPosition", "RowPosition", "ColumnPosition", "ModifiedDate", "IsActive", "Chara

<b>I</b> -	1 <sup>2</sup> 3 InspectActivityId	A <sup>B</sup> C QuestionName	A <sup>B</sup> <sub>C</sub> Response
1	1	Event Date	07/29/2019
2	1	Date of inspection	07/29/2019
3	1	Scaffold Type	Supported
4	1	Location	Area A - Building A01
5	1	Are sills properly placed?	Yes
6	1	Have screw jacks been used to level and plumb scaffold instead of uns	No
7	1	Are base places and/or screw jacks in firm contact with sills and frames?	Yes
8	1	Are all scaffold legs braced with braces properly attached?	Yes
9	1	Have free-standing towers been guyed or tied so as not to exceed the $\ldots$	Yes
10	1	Are working level platforms fully planked between guardrails with no s	Yes
11	1	Does planking have min. 12" overlap extended beyond supports and cl	Yes
12	1	Are toe-boards installed properly?	Yes
13	1	Has a PFPS tie-off analysis been performed?	Yes
14	1	Are safety harnesses available for use when required?	Yes
15	1	Are outriggers properly installed?	Yes
16	1	Are platforms fully planked with no gaps greater than 1 inch?	No
17	1	Are wheel breaks operational and have employees been trained to set	Yes
18	1	All caster or wheel stems have been pinned or otherwise secured.	Yes
19	1	Submit and Complete	Elia Burgueno, Aug 6 2019 6:11PM
20	14	Event Date	08/22/2019
21	14	Date of inspection	08/22/2019
22	14	Scaffold Type	Supported
23	14	Location	Mentone
24	14	Are sills properly placed?	Yes
25	14	Have screw jacks been used to level and plumb scaffold instead of uns	Yes
26	14	Are base places and/or screw jacks in firm contact with sills and frames?	Yes
27	14	Are all scaffold legs braced with braces properly attached?	Yes

#### Click on Question Name and select Pivot

#### 🃶 | 🔚 🗟 | Untitled - Power Query Editor

File	H	Home Transform Add	Column View	Tools Help				
Group By	n lise i	€ Reverse Rows	7 Detect Data Type	1→2 Replace Values ▼ ↓ Fill ▼ Empired Column Any Column	Unpivot Colum ₩ Move - Convert to List		Split Column + Format Text Column	∑ ∑ Statistics Standard
>	×	$\sqrt{f_X}$ = Table.Re	emoveColumns(#"Fi	Pivot Column Use names in the	currently selected		ectionPosition", "RowPosition",	"ColumnPosition
Queries	<b></b> *	1 <sup>2</sup> 3 InspectActivityId	A <sup>B</sup> <sub>C</sub> QuestionName	column to create r Tables with nested	new columns.	Υ.	A <sup>B</sup> C n. onse	
Que	1	1	Event Date	supported.			07/29/2019	
	2	1	Date of inspection				07/29/2019	
	3	1	Scaffold Type				Supported	
	4	1	Location				Area A - Building A01	
	5	1	Are sills properly place	ed?			Yes	
	6	1	Have screw jacks been	n used to level and plu	umb scaffold instead o	f uns	No	
	7	1	Are base places and/o	or screw jacks in firm o	ontact with sills and f	rames?	Yes	
	8	1	Are all scaffold legs be	raced with braces prop	perly attached?		Yes	
	9	1	Have free-standing to	wers been guyed or ti	ed so as not to exceed	d the	Yes	
	10	1	Are working level plat	forms fully planked be	etween guardrails with	h no s	Yes	

To make each question appear as a column with the response as an answer (and only one record per each form submission), select Response as the Values column.



Pivot Column			×
Use the names in column '	QuestionName" to create new columns.		
Values Column 🕕			
Response	<b>.</b>		
Advanced options			
Learn more about Pivot Colu	nn		
		ОК	Cancel
one	_		
2005 2015			

Making this transformation will make each submission a single row, and each question and response a column with a row that contains the response for the question.

This can be seen by looking at the ActivityID – which previously had multiple records, but now shows all the content for that submission spread out as multiple columns vs rows, making it easier to report on the information.