



Explore API Documentation

SelfService_Compliance_EventTaskData

Pivot Instructions

Version 1.0

Last Modified: 10/18/2022

Last Modified By: Natalie Takacs



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:

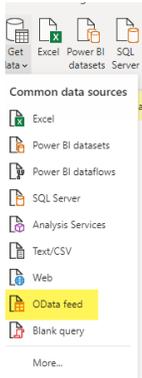
Activity ID	Question Name:	Answer:
1	Question 1	Answer 1
1	Question 2	Answer 2
1	Question 3	Answer 3
1	Question 4	Answer 4
1	Question 5	Answer 5

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

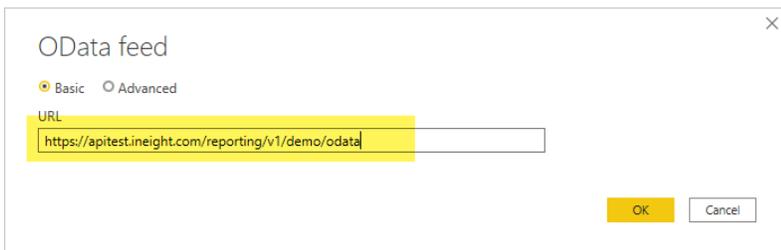
Ex:

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

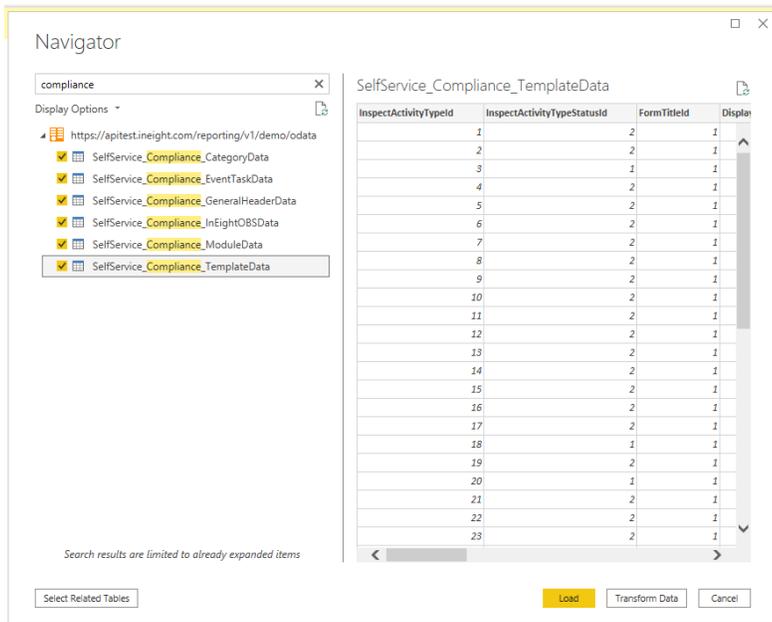
To get started, connect to the Compliance API using the OData Connector



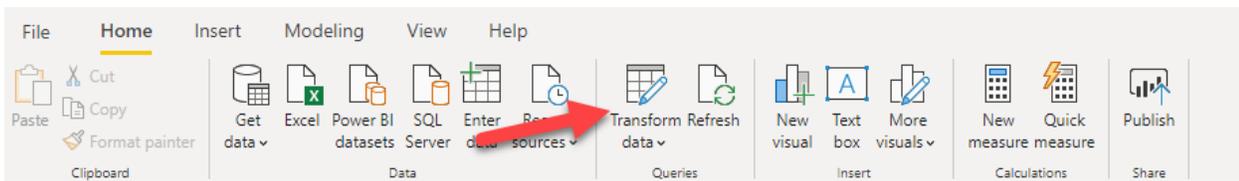
Navigate to your environment



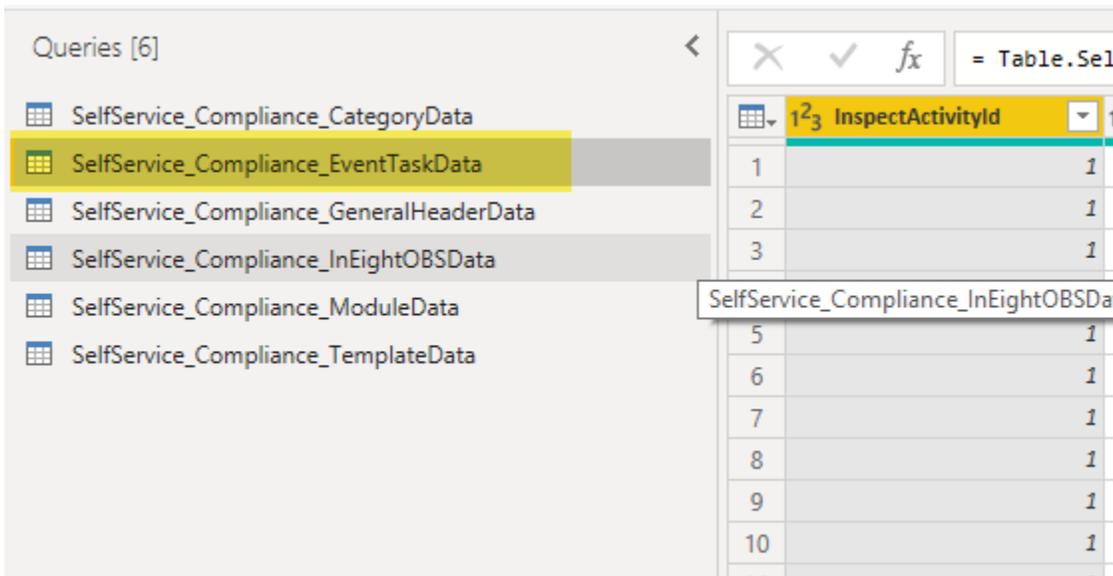
Select the Compliance APIs



Select Transform Data

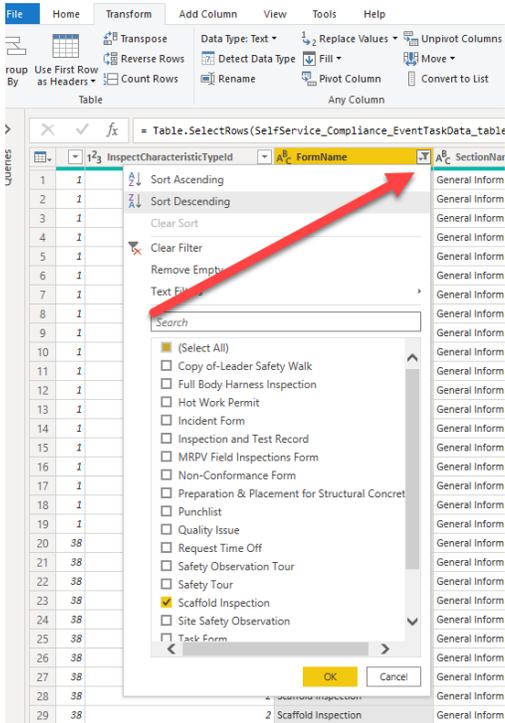


Click on the SelfService_Compliance_EventTaskData API



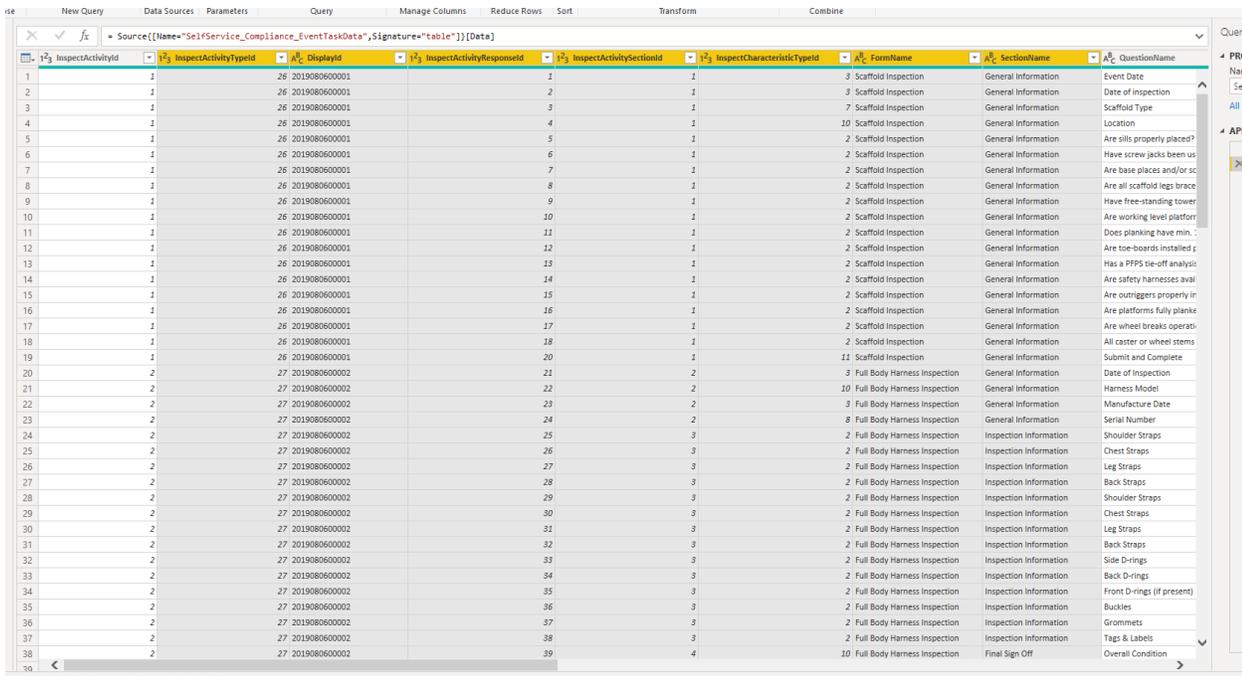
Filter the data to the form you intend to report on

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



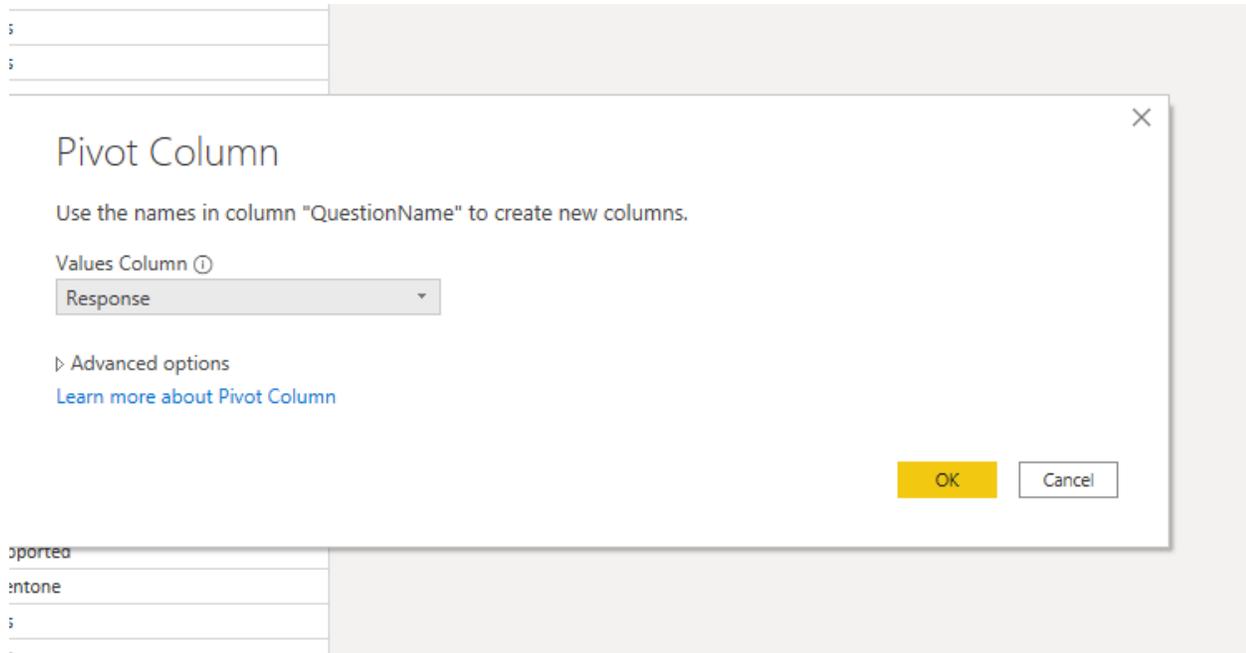
Right Click and Select Remove Columns

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

Click on Question Name and select Pivot

The screenshot shows the Power Query Editor interface. The 'Transform' tab is active, and the 'Pivot Column' option is highlighted in the ribbon. A red arrow points to this option. A tooltip for 'Pivot Column' is displayed, providing instructions on how to use the selected column names to create new columns.

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

▸ Advanced options
[Learn more about Pivot Column](#)

OK Cancel

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.