RiskLens® API Integration

Creating Reports with RiskLens Export API

August 2021

Contents

RiskLens API Integration for Reporting

This guide steps you through the process of pulling data from the platform to create reports to use when presenting data about your organization's risk.

Quick Process

The following table is a quick guide to using API to gather data for creating reports. Use the details in this table to quickly run through the spreadsheet or continue below for step-by-step guidance to complete this process.

Tab	Process
Tab 1	Connect the API to the platform.
Tab 2	Get assessment high-level details.
Tab 3	Get scenario high-level details.
Tab 4	Get assessment details from the platform.
Tab 5	Get risk analysis scenario details from the platform.
Tab 6	Paste your data from tab 4 and 5 into the tables. ⚠ Do not change the tables on this tab other than copy/paste, as they are tied to the reports and other data tabs.
Tab 7	Refresh the data to update the premade reports.
Tab 8-10	Use these tabs to view and gather premade reports.

Tab 1. API Setup: Connecting to the Platform

To use the API to build reports, connect the spreadsheet to your instance. When you are working with API, it's best practice to set up your own client and secret. Use tab 1 (API Setup), to enter the authentication URL, client ID, and client secret.

Note: The client secret is an encrypted code that is created when you create a new API client. If you no longer have the secret, regenerate a new secret in the Administration page in the platform.

The following access points are required to use the API integration spreadsheet:

- The RiskLens platform (or access to the client ID and secret)
- The RiskLens API Integration spreadsheet

Create an API Client

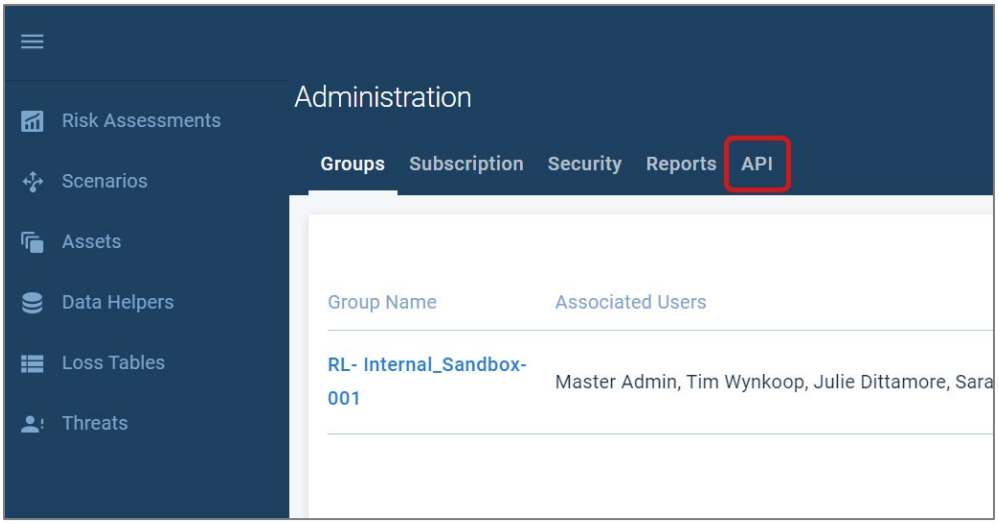
To create an API client:

Time to complete: About 2 minutes

1. On the Welcome page of the platform, in the bottom-left corner, click **Administration**.

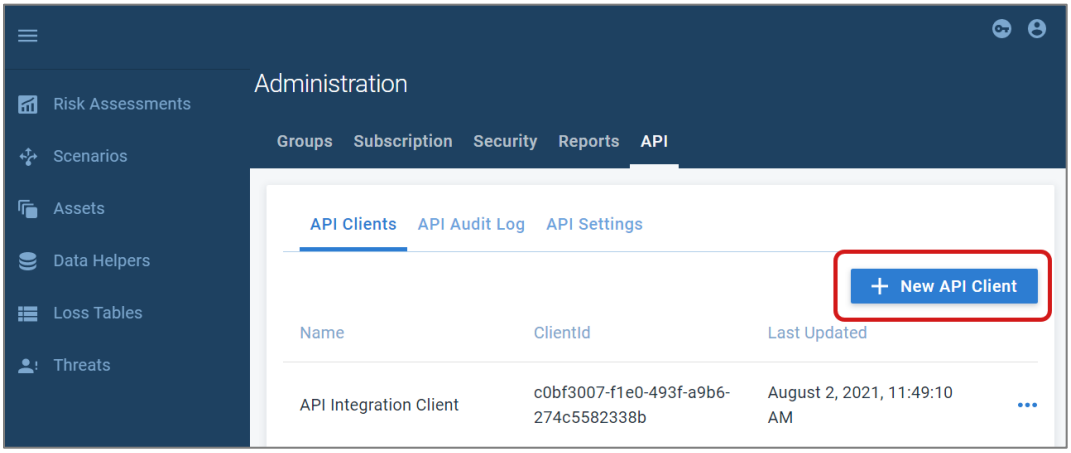
The Administration page displays.

2. Click **API**.



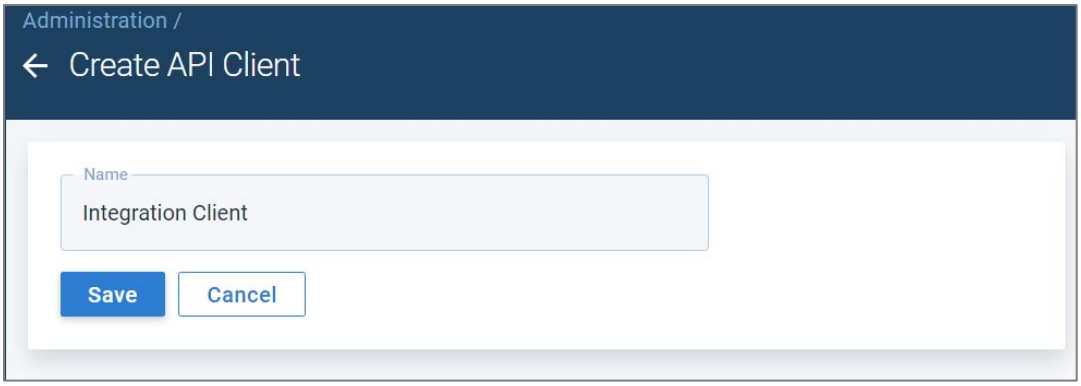
The API page displays.

3. Click **+ New API Client**.



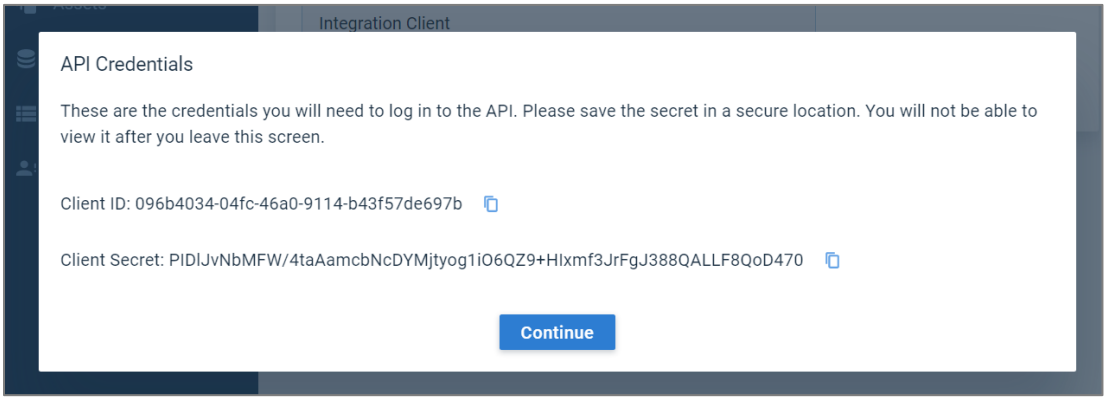
The Create API Client page displays.

4. Enter a name for the API client and click **Save**. It is best to name the client according to the service being integrated with RiskLens™, or the purpose for the integration (such as for the reporting export).



The information for the new client displays.

⚠ Secrets are encrypted for security purposes and cannot be retrieved after initial setup. Be sure to record the secret before saving this client. If this is lost, you must generate a new secret.



5. Click the copy buttons to copy both the ID and the secret and save them in a secure location.
6. When you are done, click **Continue**.

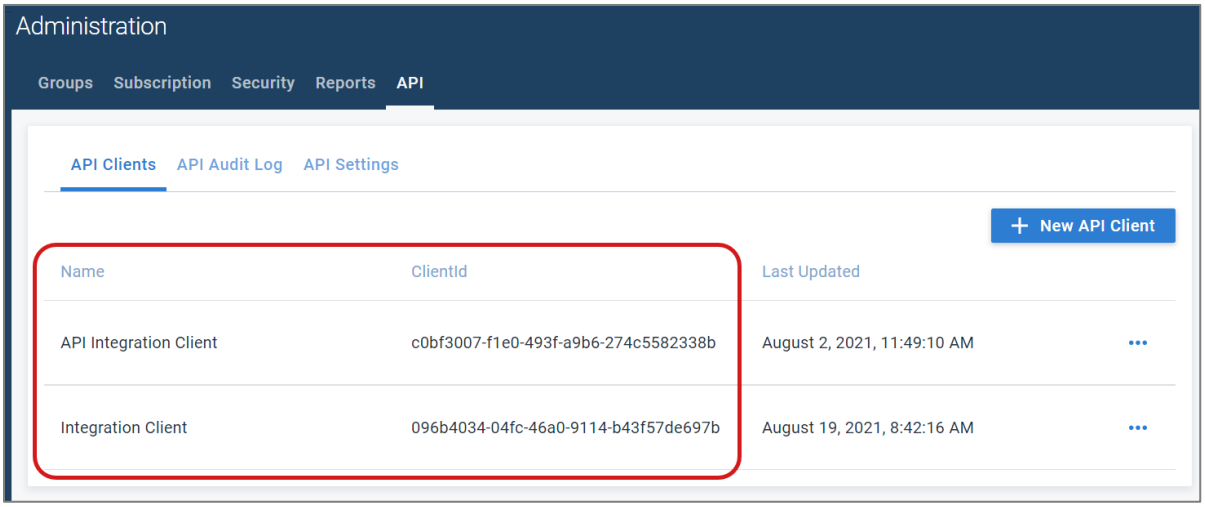
   The API client is saved, and you are returned to the API tab on the Administration page. The page displays a successful creation message, and your new client is displayed in the API Clients list.

Retrieve an API Client ID

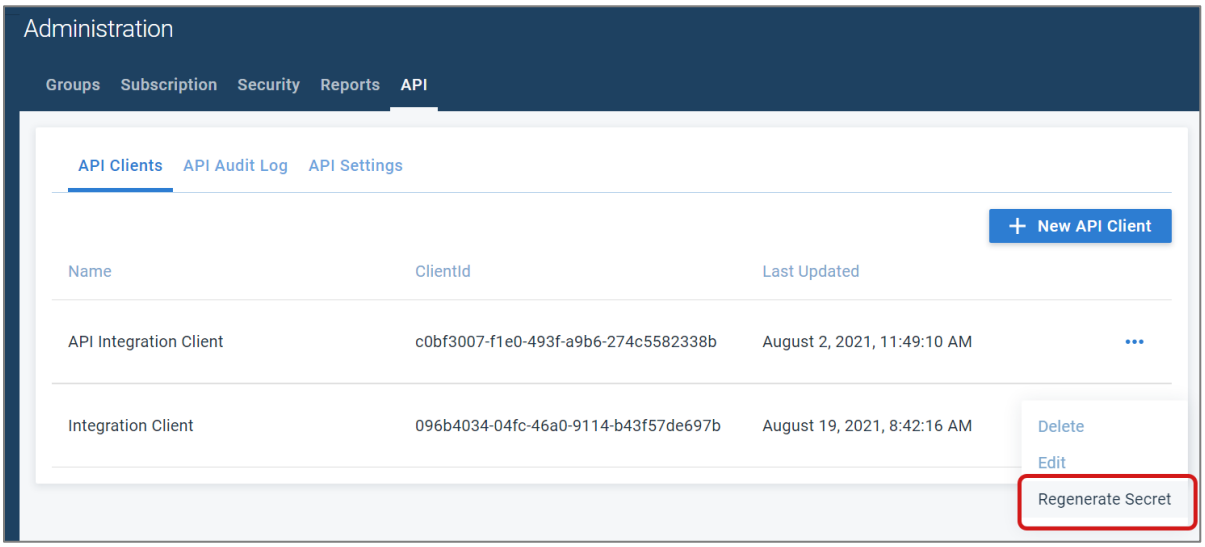
Time to complete: Less than 1 minute

If an API client or reporting already exists, you can retrieve the ID from the platform. However, if you have lost or no longer have access to the secret, you must regenerate a client secret.

- To retrieve your client ID, open the Administration page, and click the **API** tab.



- To regenerate the client secret, click a client's more options button and click **Regenerate Secret**.



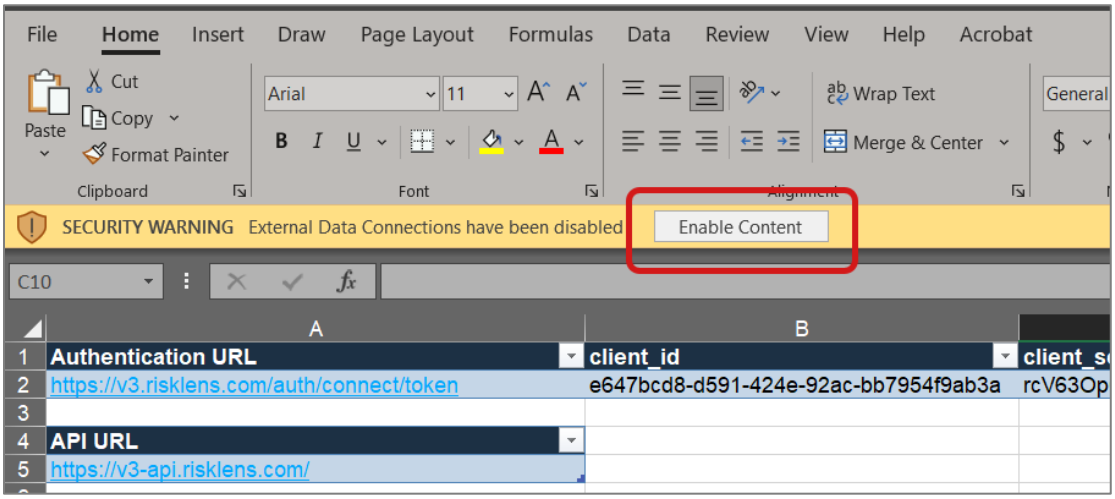
Enter your platform information:

Time to complete: Less than 1 minute

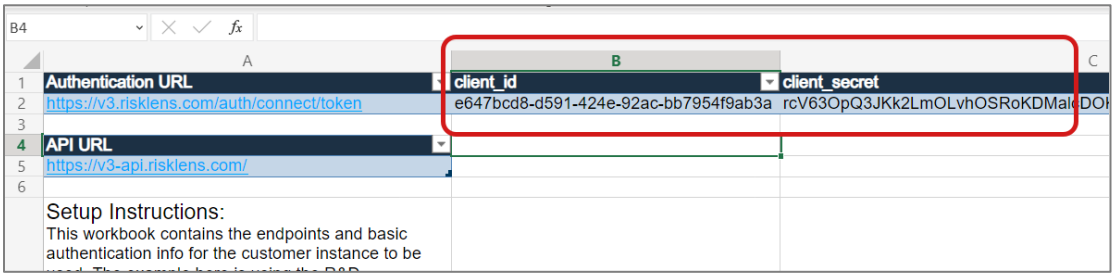
On the first tab of the API Integration spreadsheet (**API Setup**), the authentication URL and API URL are already entered into the corresponding fields.

To enter your platform information:

1. Open the API Integration Excel spreadsheet and click **Enable Content** if you have not already enabled the spreadsheet.



2. In the **1. API Setup** tab, enter the client ID and secret into the **client_ID** and **client_secret** columns.



Tab 2. Risk Assessments: Pulling Assessments

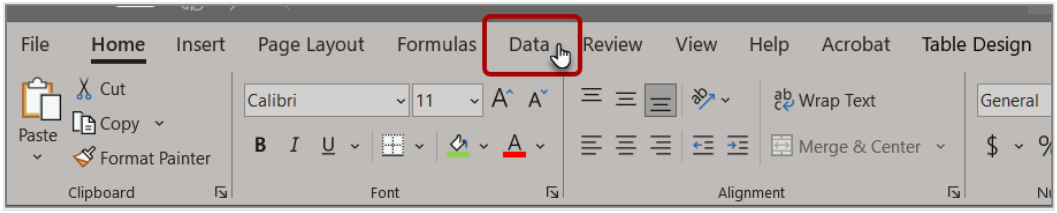
The second tab in the API integration document contains a table of risk assessment data. Run the query process below to pull risk assessment details from the platform.

Pull the Risk Assessment Details from the Platform

To run the GetRiskAssessments query:

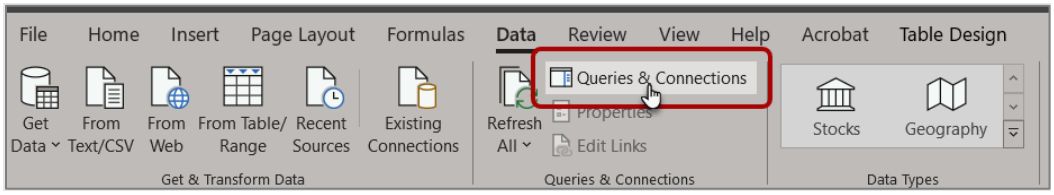
Time to complete: About 1 minute

1. In the spreadsheet, open the **2. Risk Assessments** tab.
2. In the Excel header, click **Data**.



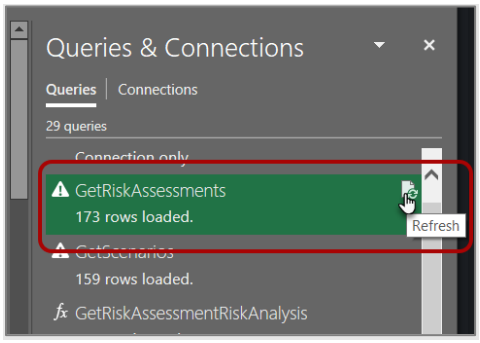
The Data tab displays.

3. Click **Queries & Connections**.



The Queries & Connections pane displays.

4. In the **Queries & Connections** pane, click **GetRiskAssessments** and click the **Refresh** button.



The spreadsheet populates the Excel table with the platform's risk assessment data.

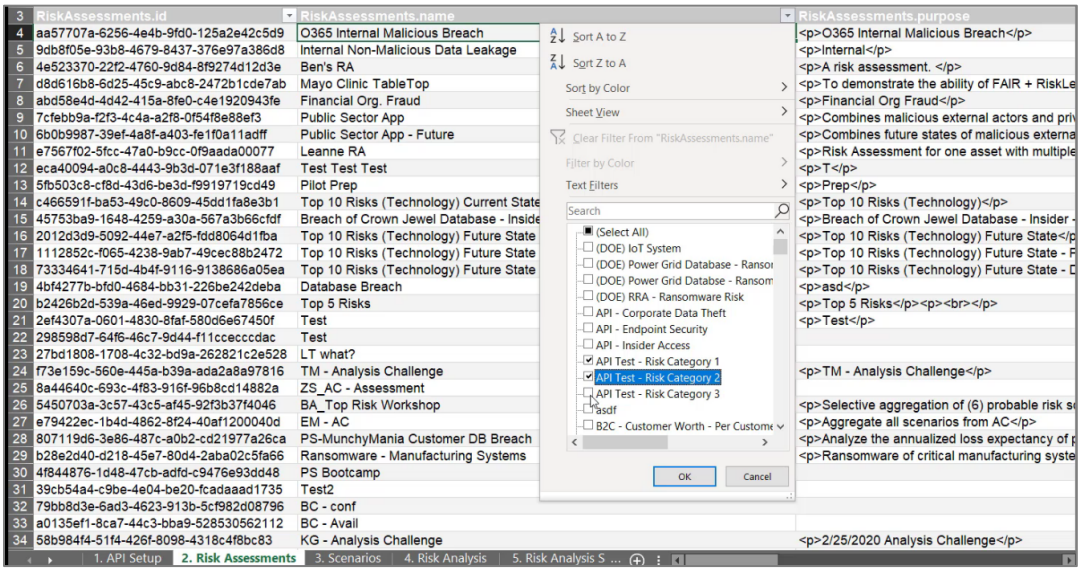
Select the Required Assessments for Data Export

From the list of risk assessment data, use the following process to select and build a table of assessments for the data exports.

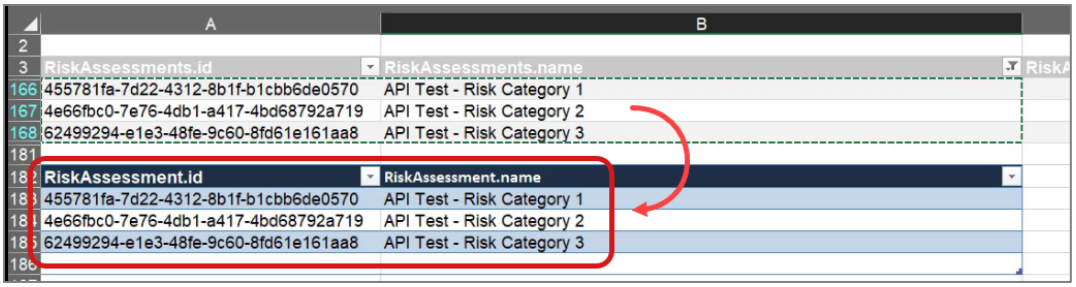
To build your assessment list:

Time to complete: About 1 minute

1. On the **2. Risk Assessments** tab, click the arrow at the top of a column to use the search or filter to find the needed assessments.



2. Copy the first two columns of information (**RiskAssesments.id** and **RiskAssessments.name**) and paste it into the blue table at the bottom.



3. Continue copying risk assessment information to the bottom table until you have gathered all the assessments needed.

Tab 3. Scenarios: Pulling Scenarios

The third tab in the API integration document contains a table of scenario data. Run the query process below to pull scenario details from the platform.

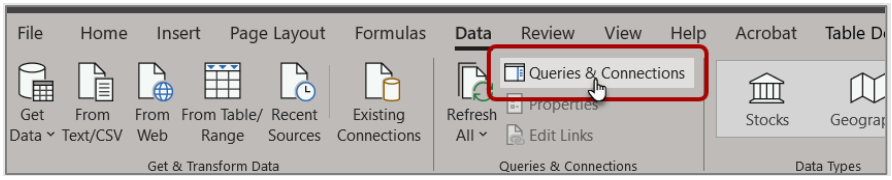
Pull the Risk Assessment Details from the Platform

To run the GetRiskAssessments query:

Time to complete: About 1 minute

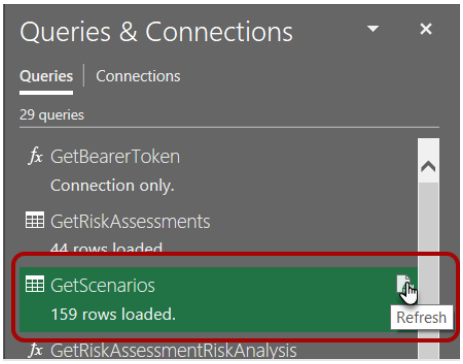
1. Open the Queries & Connections pane if it is not already opened.

    a. Click **Data**, then click **Queries & Connections**.



The Queries & Connections pane displays.

2. Click **GetScenarios** and then click the **Refresh** button.



The spreadsheet populates the Excel table with the platform's scenario data.

Tab 4. Risk Analysis: Gathering Assessment Data

Use the fourth tab in the API integration document to gather risk assessment data in preparation for the data export. Run the query function described below to pull assessment details from the platform.

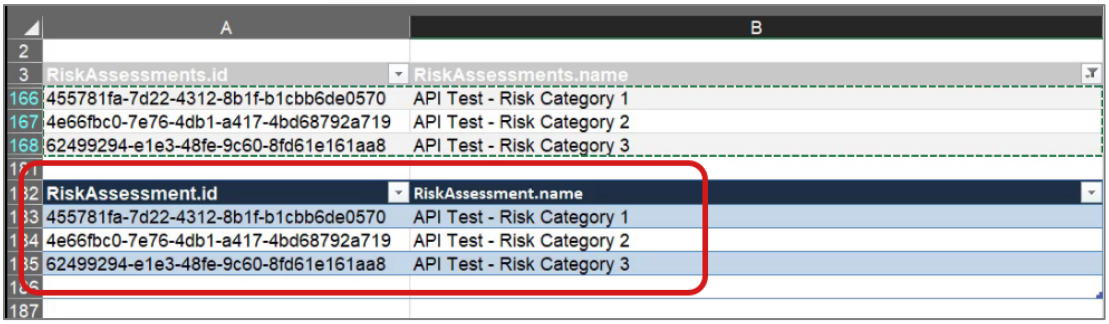
⚠ The function can only pull data for risk assessments with a version set to Current. If your risk assessment is in Draft, but has a past Current version, the past Current version is used. If there is no current version associated with the risk assessment, an error occurs.

Pull the Risk Assessment Details from the Platform

To run the GetRiskAssessmentRiskAnalysis query:

Time to complete: About 5 minutes

1. In the spreadsheet, click the **2. Risk Assessments** tab (this has your general assessment data), and then copy the assessment ID and name from the **RiskAssessment.id** and **RiskAssessment.name** columns.

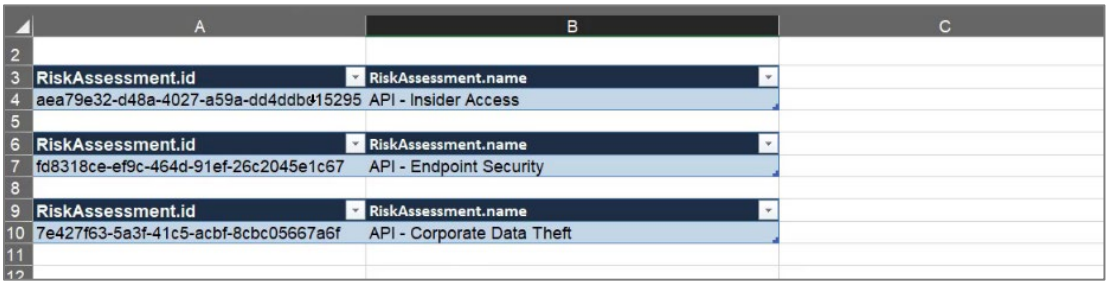


	A	B
2		
3	RiskAssessments.id	RiskAssessments.name
166	455781fa-7d22-4312-8b1f-b1cbb6de0570	API Test - Risk Category 1
167	4e66fbc0-7e76-4db1-a417-4bd68792a719	API Test - Risk Category 2
168	62499294-e1e3-48fe-9c60-8fd61e161aa8	API Test - Risk Category 3
182	RiskAssessment.id	RiskAssessment.name
183	455781fa-7d22-4312-8b1f-b1cbb6de0570	API Test - Risk Category 1
184	4e66fbc0-7e76-4db1-a417-4bd68792a719	API Test - Risk Category 2
185	62499294-e1e3-48fe-9c60-8fd61e161aa8	API Test - Risk Category 3
187		

2. Click the **4. Risk Analysis** tab to see the assessment information tables.

3. Paste the copied ID and name into the first two columns of the tables.

   Each assessment requires its own table on this tab. Create copies of the first table for each assessment.

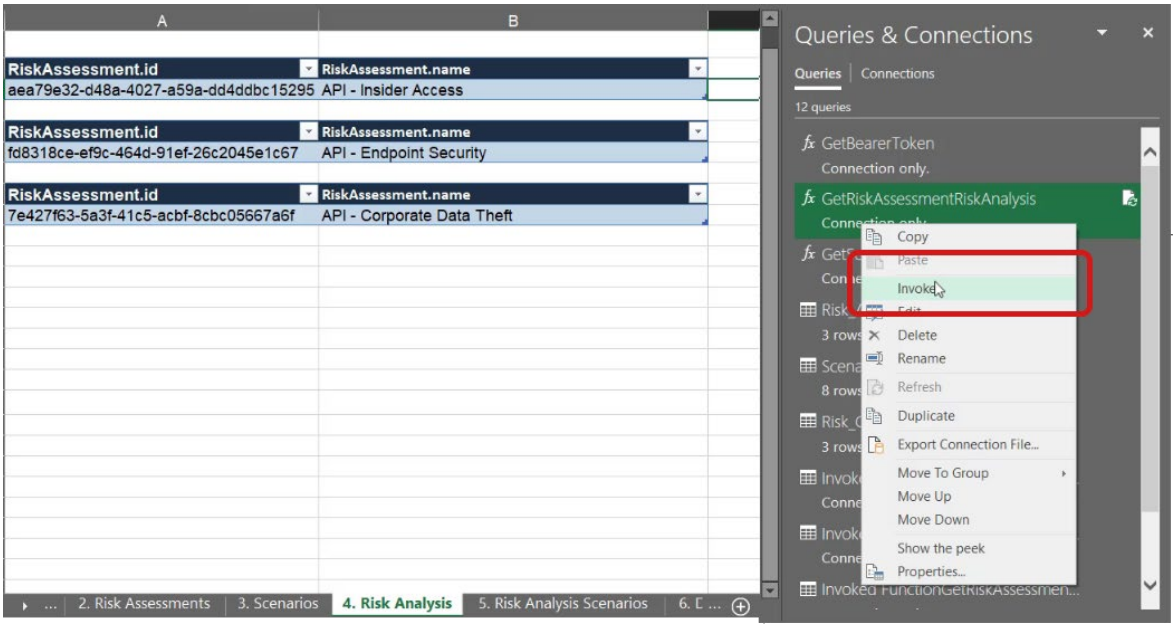


	A	B	C
2			
3	RiskAssessment.id	RiskAssessment.name	
4	aea79e32-d48a-4027-a59a-dd4ddb615295	API - Insider Access	
5			
6	RiskAssessment.id	RiskAssessment.name	
7	fd8318ce-ef9c-464d-91ef-26c2045e1c67	API - Endpoint Security	
8			
9	RiskAssessment.id	RiskAssessment.name	
10	7e427f63-5a3f-41c5-acbf-8cbc05667a6f	API - Corporate Data Theft	
11			

4. Copy the ID from the **RiskAssessment.id** column of the first risk assessment.

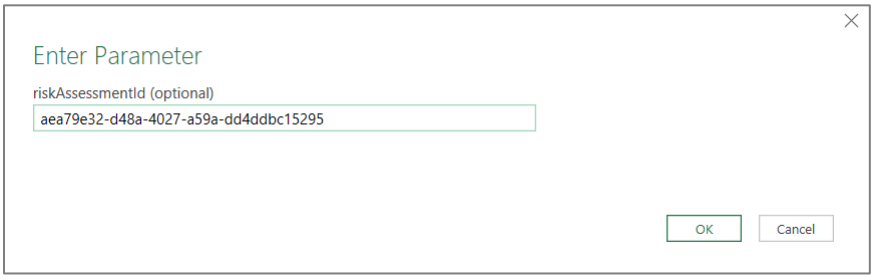
5. Click an open cell outside the table.

6. In the **Queries & Connections** pane, right-click the **GetRiskAssessmentRiskAnalysis** function, and then click **Invoke**.



The Enter Parameter dialog displays.

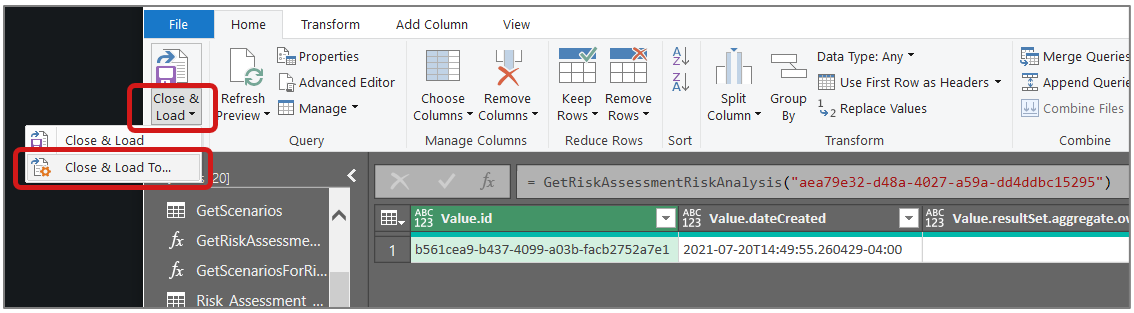
7. Paste the ID into the **riskAssessmentId** field and click **OK**.



8. The Invoked Function sheet displays.

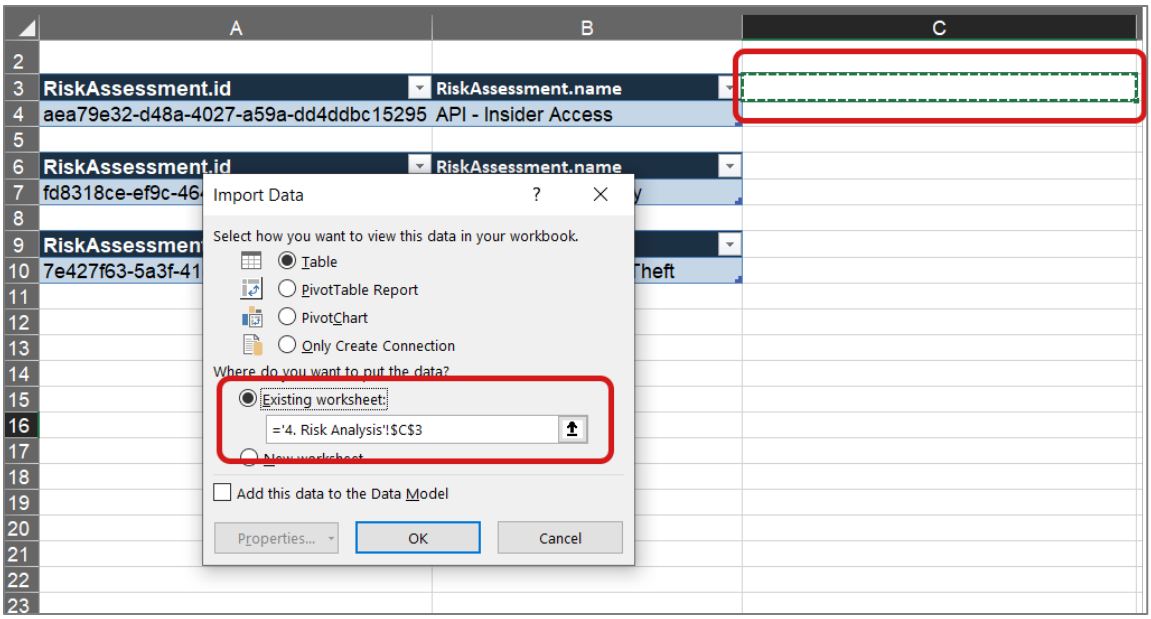
Note: Data should load automatically. If the **Refresh** option displays, click **Refresh**.

9. Once the data is loaded (it should look like the following screenshot), click the **Close & Load** options button, and then **Close & Load To…**.



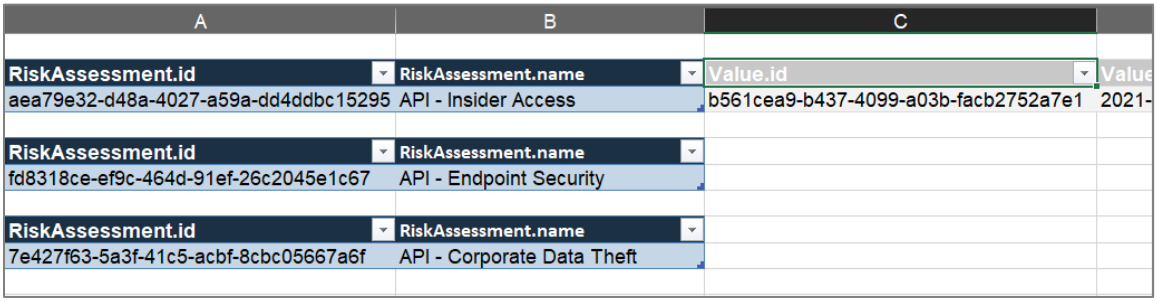
The Import Data dialog displays.

10. Click the **Existing worksheet** option and click the box in the spreadsheet where you want to add the data.



11. Click **OK** to load the assessment data.

The assessment data is loaded to the spreadsheet.



12. Complete this process for the rest of the selected assessments.

Tab 5. Risk Analysis Scenarios: Gathering Scenario Data

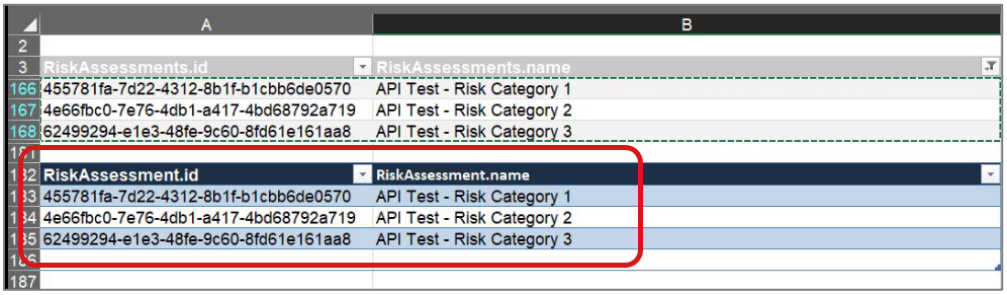
Use the fifth tab in the API integration document to gather risk analysis scenario data in preparation for the data export. Run the function described below to pull assessment details from the platform.

Pull the Risk Assessment Details from the Platform

To run the GetRiskAssessments query:

Time to complete: About 5 minutes

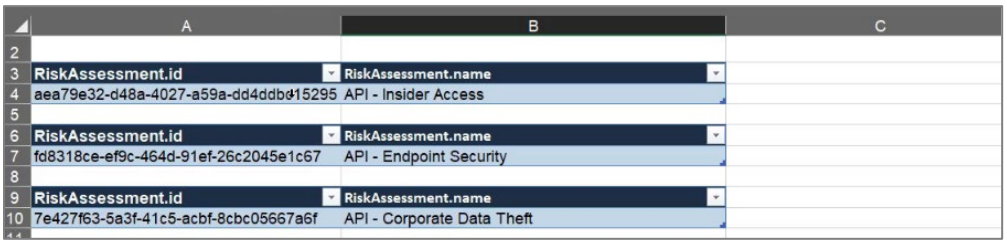
1. In the spreadsheet, click the **2. Risk Assessments** tab (this has your general assessment data), and then copy the assessment ID and name from the **riskAssessment.id** and **RiskAssessment.name** columns.



2. Click the **5. Risk Analysis Scenarios** tab to see the assessment information table.

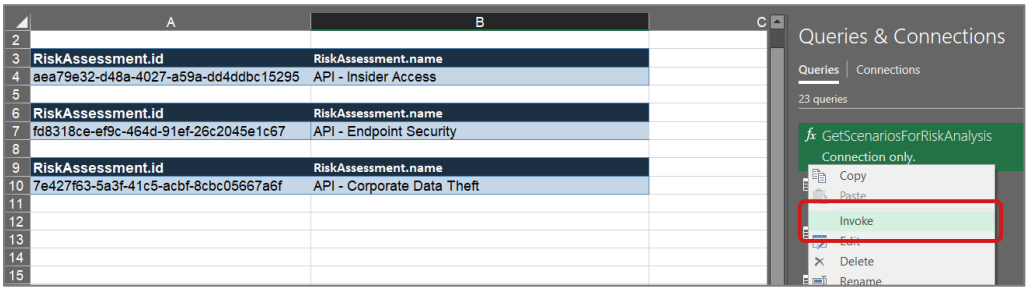
3. Paste the copied ID and name into the first two columns of the tables.

   Since each assessment requires its own table, create copies of the first table for each assessment.



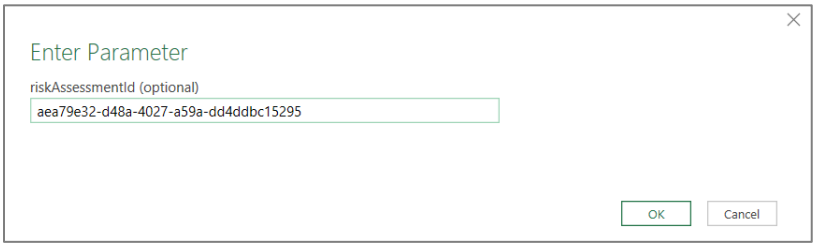
4. Copy the ID from the **RiskAssessment.id** column of the first risk assessment.

5. Click an open cell outside the table, and in the **Queries & Connections** pane, right-click the **GetRiskAssessmentRiskAnalysis** function, and click **Invoke**.



The Enter Parameter dialog displays.

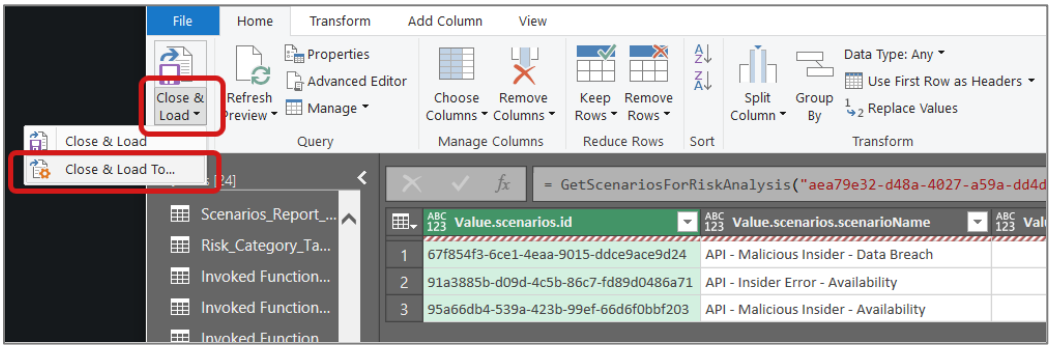
6. Paste the ID into the field and click **OK**.



7. The Invoked Function sheet displays.

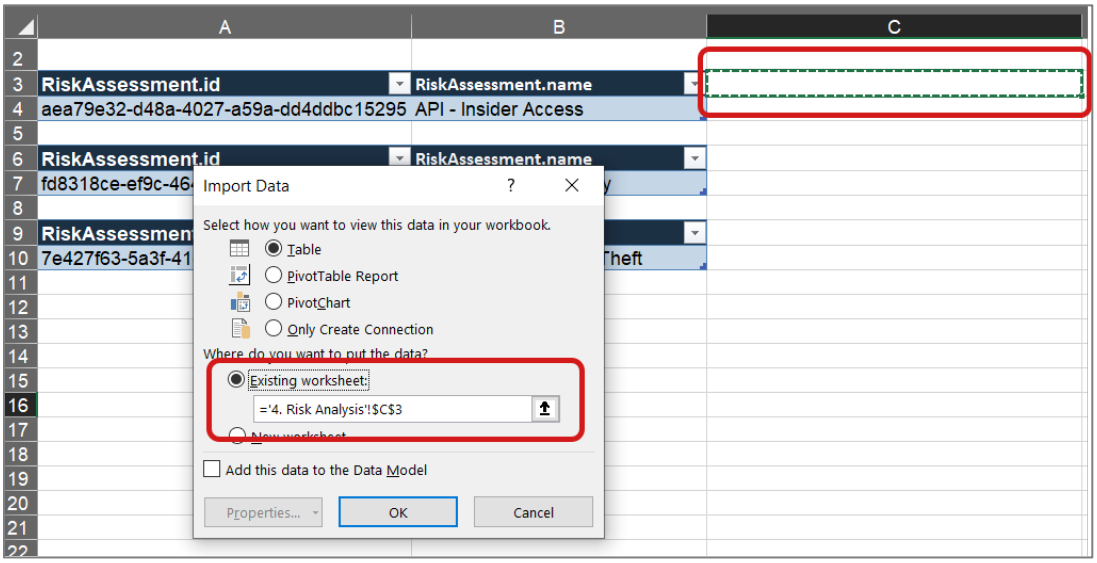
Note: Data should load automatically. If the **Refresh** option displays, click **Refresh**.

8. Once the data is loaded (it should look like the following screenshot), click the **Close & Load** options button, and then **Close & Load To…**.



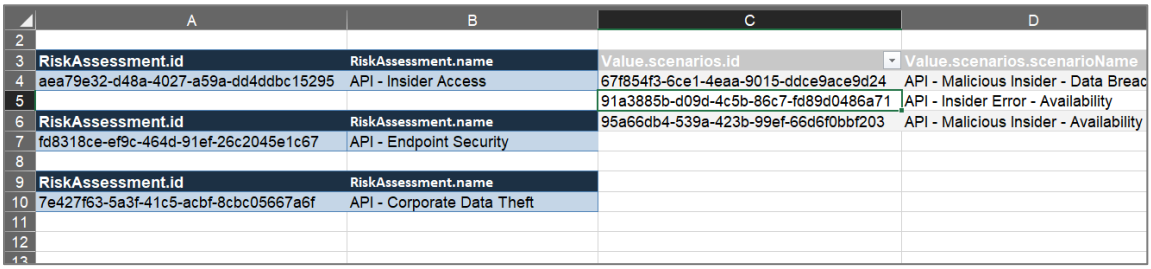
The Import Data dialog displays.

9. Click the **Existing worksheet** option and click the box in the spreadsheet where you want to add the data.



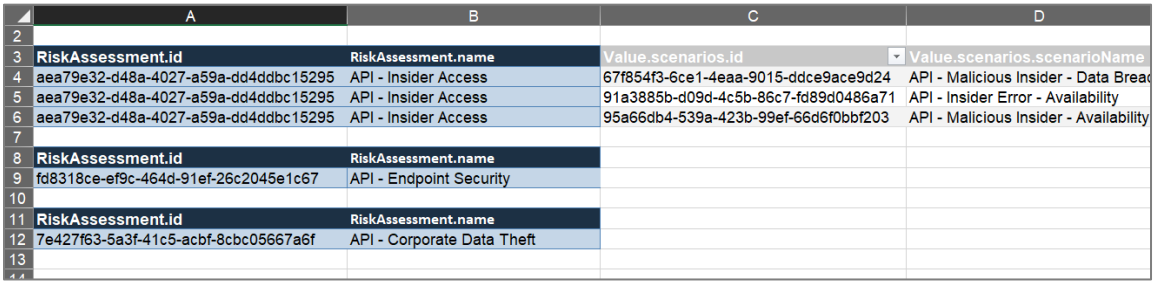
10. Click **OK** to load the assessment data.

    The assessment data is loaded to the spreadsheet.



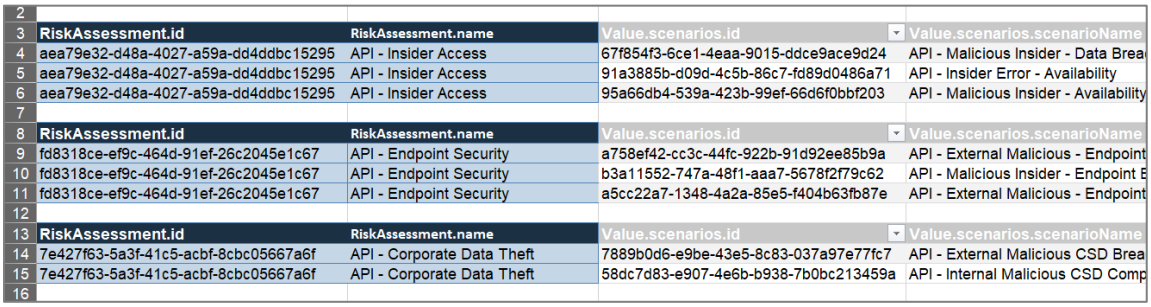
	A	B	C	D
2				
3	RiskAssessment.id	RiskAssessment.name	Value.scenarios.id	Value.scenarios.scenarioName
4	aea79e32-d48a-4027-a59a-dd4ddbc15295	API - Insider Access	67f854f3-6ce1-4eaa-9015-ddce9ace9d24	API - Malicious Insider - Data Breac
5			91a3885b-d09d-4c5b-86c7-fd89d0486a71	API - Insider Error - Availability
6	RiskAssessment.id	RiskAssessment.name	95a66db4-539a-423b-99ef-66d6f0bbf203	API - Malicious Insider - Availability
7	fd8318ce-ef9c-464d-91ef-26c2045e1c67	API - Endpoint Security		
8				
9	RiskAssessment.id	RiskAssessment.name		
10	7e427f63-5a3f-41c5-acbf-8cbc05667a6f	API - Corporate Data Theft		
11				
12				

11. Insert cells underneath the first assessment ID and copy and id and name to those cells to ensure each scenario row has an associated assessment ID.



	A	B	C	D
2				
3	RiskAssessment.id	RiskAssessment.name	Value.scenarios.id	Value.scenarios.scenarioName
4	aea79e32-d48a-4027-a59a-dd4ddbc15295	API - Insider Access	67f854f3-6ce1-4eaa-9015-ddce9ace9d24	API - Malicious Insider - Data Breac
5	aea79e32-d48a-4027-a59a-dd4ddbc15295	API - Insider Access	91a3885b-d09d-4c5b-86c7-fd89d0486a71	API - Insider Error - Availability
6	aea79e32-d48a-4027-a59a-dd4ddbc15295	API - Insider Access	95a66db4-539a-423b-99ef-66d6f0bbf203	API - Malicious Insider - Availability
7				
8	RiskAssessment.id	RiskAssessment.name		
9	fd8318ce-ef9c-464d-91ef-26c2045e1c67	API - Endpoint Security		
10				
11	RiskAssessment.id	RiskAssessment.name		
12	7e427f63-5a3f-41c5-acbf-8cbc05667a6f	API - Corporate Data Theft		
13				

12. Complete this process until you have scenarios loaded for each assessment.



2				
3	RiskAssessment.id	RiskAssessment.name	Value.scenarios.id	Value.scenarios.scenarioName
4	aea79e32-d48a-4027-a59a-dd4ddbc15295	API - Insider Access	67f854f3-6ce1-4eaa-9015-ddce9ace9d24	API - Malicious Insider - Data Brea
5	aea79e32-d48a-4027-a59a-dd4ddbc15295	API - Insider Access	91a3885b-d09d-4c5b-86c7-fd89d0486a71	API - Insider Error - Availability
6	aea79e32-d48a-4027-a59a-dd4ddbc15295	API - Insider Access	95a66db4-539a-423b-99ef-66d6f0bbf203	API - Malicious Insider - Availability
7				
8	RiskAssessment.id	RiskAssessment.name	Value.scenarios.id	Value.scenarios.scenarioName
9	fd8318ce-ef9c-464d-91ef-26c2045e1c67	API - Endpoint Security	a758ef42-cc3c-44fc-922b-91d92ee85b9a	API - External Malicious - Endpoint
10	fd8318ce-ef9c-464d-91ef-26c2045e1c67	API - Endpoint Security	b3a11552-747a-48f1-aaa7-5678f2f79c62	API - Malicious Insider - Endpoint E
11	fd8318ce-ef9c-464d-91ef-26c2045e1c67	API - Endpoint Security	a5cc22a7-1348-4a2a-85e5-f404b63fb87e	API - External Malicious - Endpoint
12				
13	RiskAssessment.id	RiskAssessment.name	Value.scenarios.id	Value.scenarios.scenarioName
14	7e427f63-5a3f-41c5-acbf-8cbc05667a6f	API - Corporate Data Theft	7889b0d6-e9be-43e5-8c83-037a97e77fc7	API - External Malicious CSD Brea
15	7e427f63-5a3f-41c5-acbf-8cbc05667a6f	API - Corporate Data Theft	58dc7d83-e907-4e6b-b938-7b0bc213459a	API - Internal Malicious CSD Comp
16				

Tab 6. Data Export: Gathering Scenario Data

The sixth tab in the API integration is where all the collected data is stored and used to populate the data for the report queries.

⚠ Important: Do not edit the tables in tab 6 other than copying and pasting data in. These tables are tied to the reporting queries and must maintain their connections.

Copy Assessment and Scenario Data

This tab is a repository for the platform data. Follow the process below to build your tables.

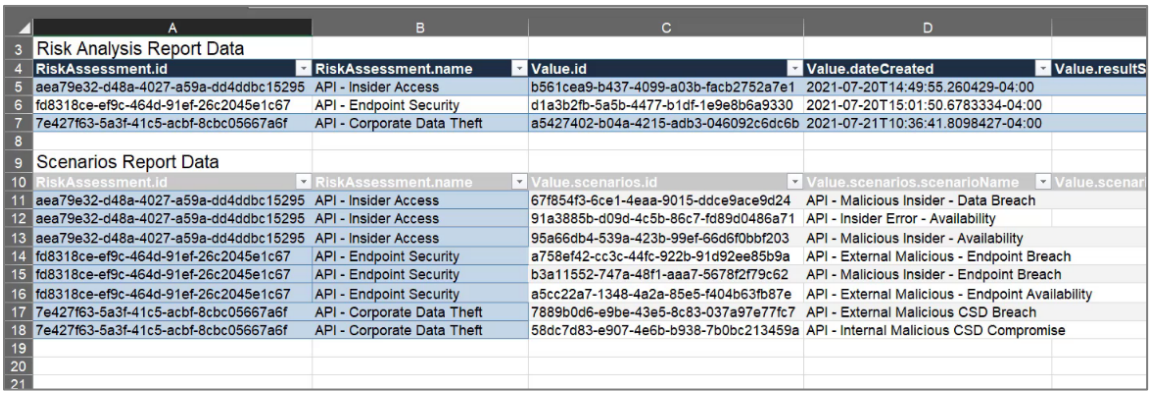
To populate this tab:

Time to complete: About 1 minute

1. In the spreadsheet, click the **4. Risk Analysis** tab and copy the data from the tables in tab 4 (only the assessment data lines) and paste into the **Risk Analysis Report Data** table on tab 6.

2. In the spreadsheet, click the **5. Risk Analysis Scenarios** tab and paste into the **Scenarios Report Data** table on tab 6.

   After populating the data, both tables should have data in them:



	A	B	C	D	
3	Risk Analysis Report Data				
4	RiskAssessment.id	RiskAssessment.name	Value.id	Value.dateCreated	Value.resultS
5	aea79e32-d48a-4027-a59a-dd4ddbc15295	API - Insider Access	b561cea9-b437-4099-a03b-facb2752a7e1	2021-07-20T14:49:55.260429-04:00	
6	fd8318ce-ef9c-464d-91ef-26c2045e1c67	API - Endpoint Security	d1a3b2fb-5a5b-4477-b1df-1e9e8b6a9330	2021-07-20T15:01:50.6783334-04:00	
7	7e427f63-5a3f-41c5-acbf-8cbc05667a6f	API - Corporate Data Theft	a5427402-b04a-4215-adb3-046092c6dc6b	2021-07-21T10:36:41.8098427-04:00	
8					
9	Scenarios Report Data				
10	RiskAssessment.id	RiskAssessment.name	Value.scenarios.id	Value.scenarios.scenarioName	Value.scenar
11	aea79e32-d48a-4027-a59a-dd4ddbc15295	API - Insider Access	67f854f3-6ce1-4eaa-9015-ddce9ace9d24	API - Malicious Insider - Data Breach	
12	aea79e32-d48a-4027-a59a-dd4ddbc15295	API - Insider Access	91a3885b-d09d-4c5b-86c7-fd89d0486a71	API - Insider Error - Availability	
13	aea79e32-d48a-4027-a59a-dd4ddbc15295	API - Insider Access	95a66db4-539a-423b-99ef-66d6f0bbf203	API - Malicious Insider - Availability	
14	fd8318ce-ef9c-464d-91ef-26c2045e1c67	API - Endpoint Security	a758ef42-cc3c-44fc-922b-91d92ee85b9a	API - External Malicious - Endpoint Breach	
15	fd8318ce-ef9c-464d-91ef-26c2045e1c67	API - Endpoint Security	b3a11552-747a-48f1-aaa7-5678f2f79c62	API - Malicious Insider - Endpoint Breach	
16	fd8318ce-ef9c-464d-91ef-26c2045e1c67	API - Endpoint Security	a5cc22a7-1348-4a2a-85e5-f404b63fb87e	API - External Malicious - Endpoint Availability	
17	7e427f63-5a3f-41c5-acbf-8cbc05667a6f	API - Corporate Data Theft	7889b0d6-e9be-43e5-8c83-037a97e77fc7	API - External Malicious CSD Breach	
18	7e427f63-5a3f-41c5-acbf-8cbc05667a6f	API - Corporate Data Theft	58dc7d83-e907-4e6b-b938-7b0bc213459a	API - Internal Malicious CSD Compromise	
19					
20					
21					

Tab 7. Risk Analysis: Gathering Assessment Data

The seventh tab houses the queries that run the API reporting.

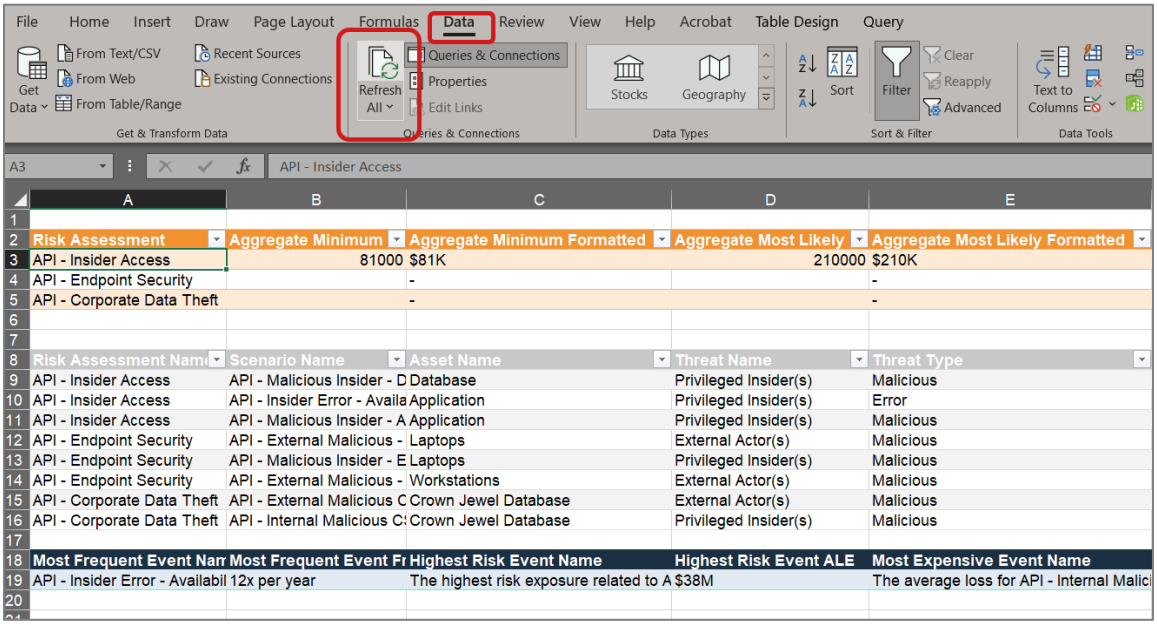
⚠ Important: Do not edit these tables. Thing only action you should perform on this tab is to refresh the data.

Pull the Risk Assessment Details from the Platform

To refresh the data:

Time to complete: Less than 1 minute

1. In the spreadsheet, click the **7. Data Formatting** tab to open the formatting table.
2. Click Excel's **Data** tab and click **Refresh All**.



	A	B	C	D	E
1					
2	Risk Assessment	Aggregate Minimum	Aggregate Minimum Formatted	Aggregate Most Likely	Aggregate Most Likely Formatted
3	API - Insider Access	81000	$81K	210000	$210K
4	API - Endpoint Security		-		-
5	API - Corporate Data Theft		-		-
6					
7					
8	Risk Assessment Nam	Scenario Name	Asset Name	Threat Name	Threat Type
9	API - Insider Access	API - Malicious Insider - D	Database	Privileged Insider(s)	Malicious
10	API - Insider Access	API - Insider Error - Availa	Application	Privileged Insider(s)	Error
11	API - Insider Access	API - Malicious Insider - A	Application	Privileged Insider(s)	Malicious
12	API - Endpoint Security	API - External Malicious -	Laptops	External Actor(s)	Malicious
13	API - Endpoint Security	API - Malicious Insider - E	Laptops	Privileged Insider(s)	Malicious
14	API - Endpoint Security	API - External Malicious -	Workstations	External Actor(s)	Malicious
15	API - Corporate Data Theft	API - External Malicious C	Crown Jewel Database	External Actor(s)	Malicious
16	API - Corporate Data Theft	API - Internal Malicious C	Crown Jewel Database	Privileged Insider(s)	Malicious
17					
18	Most Frequent Event Nam	Most Frequent Event Fr	Highest Risk Event Name	Highest Risk Event ALE	Most Expensive Event Name
19	API - Insider Error - Availabil	12x per year	The highest risk exposure related to A	$38M	The average loss for API - Internal Malici
20					

The tab takes the data from tab 6 and uses it to build the reports.

Tabs 8-10. Risk Analysis: Gathering Assessment Data

The last three tabs house the reports built from the system API. Use these reports to add to your own reporting platforms or copy and paste them into the provided PowerPoint template.

The following screenshots are examples of the data reports available:

Chart 1- Option 1

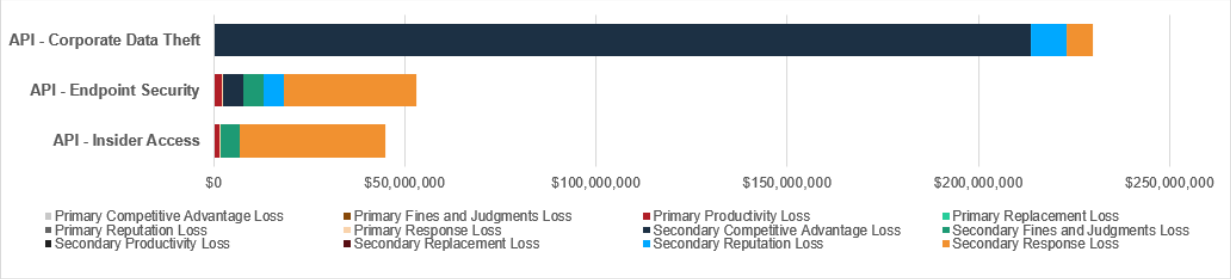
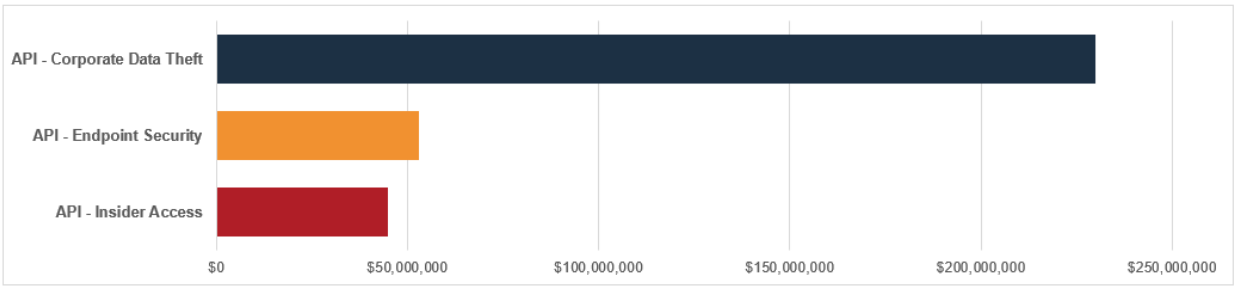


Table 1

Risk Assessment	Annualized Loss (10th - 90th)	Largest Risk Driver
API - Insider Access	$170K - $45M	Secondary Response Loss
API - Endpoint Security	$0 - $53M	Secondary Response Loss
API - Corporate Data Theft	$0 - $230M	Secondary Competitive Advantage Loss

Chart 1- Option 2



Charts 2 - 7

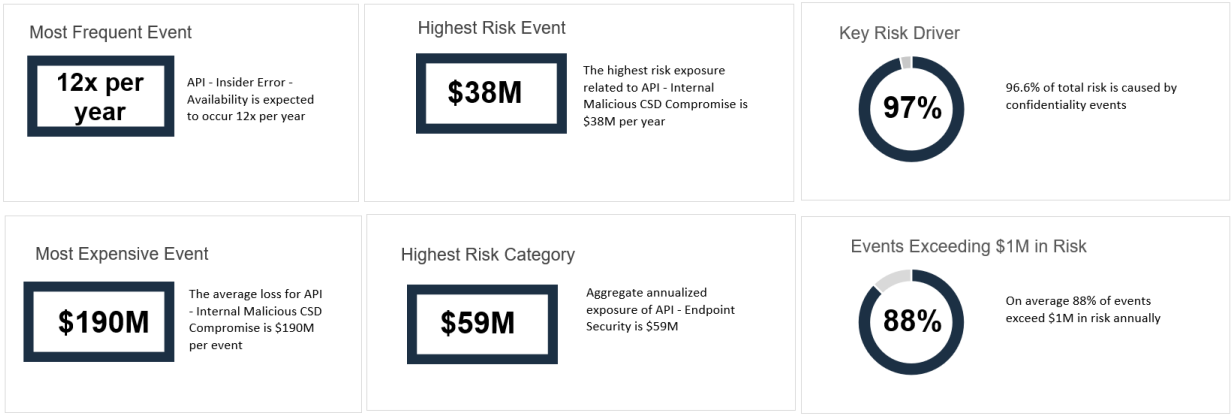
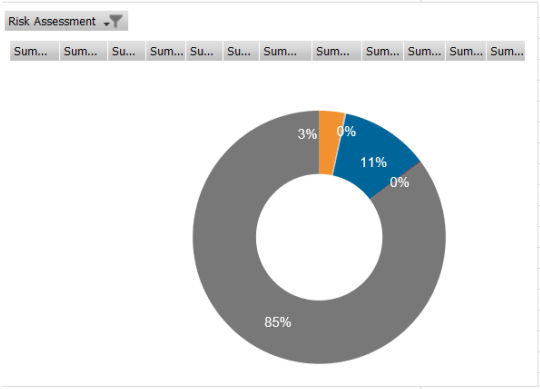
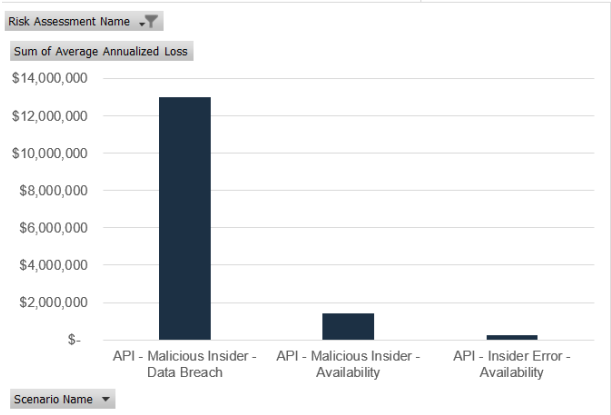


Chart 8



Risk Assessment	API - Insider Access
Values	
Sum of Average Primary Comp	
Sum of Average Primary Fines	
Sum of Average Primary Produ	1400000
Sum of Average Primary Repla	
Sum of Average Primary Reput	
Sum of Average Primary Respc	100000
Sum of Average Secondary Co	
Sum of Average Secondary Fir	4900000
Sum of Average Secondary Pro	
Sum of Average Secondary Re	
Sum of Average Secondary Re	57000
Sum of Average Secondary Re	37000000
Sum of Aggregate Average	
95000000	

Chart 9



Risk Assessment Name	API - Insider Access	
Row Labels	**Sum of Average Annualized Loss**	
API - Malicious Insider - Data B	$	13,000,000
API - Malicious Insider - Availat	$	1,400,000
API - Insider Error - Availability	$	240,000
Grand Total	**$**	**14,640,000**