

MANAGING JOB REPORTS

In this section, you'll find the information you need to create and configure Job Reports, including:

- [How to create a Job Report](#)
- [How to configure the Report Data Source](https://docs.mandiant.com/home/msv-configuring-the-report-data-source) (<https://docs.mandiant.com/home/msv-configuring-the-report-data-source>)
- How to add Components to your reports, including:
 - [Layout/Structure Components](https://docs.mandiant.com/home/msv-adding-layout-structure-components-to-a-job-report) (<https://docs.mandiant.com/home/msv-adding-layout-structure-components-to-a-job-report>)
 - [Content Widgets](https://docs.mandiant.com/home/msv-adding-content-widgets-to-a-job-report) (<https://docs.mandiant.com/home/msv-adding-content-widgets-to-a-job-report>)
 - [Charts/Data Visualization](https://docs.mandiant.com/home/msv-adding-charts-data-visualization-to-a-job-report) (<https://docs.mandiant.com/home/msv-adding-charts-data-visualization-to-a-job-report>)
- [How to export your reports](#)
- [How to copy your reports](#)

TO CREATE A JOB REPORT

Navigate to the **Analyze > Reports** page. You can create a Job Report with or without a template file.

- There are two ways to create a blank Job Report:
 - Click **Create New Report**
 - or
 - Expand () the **Create New Report** menu and select **Create Empty Report**
- To create a Job Report from a template:
 - Expand () the **Create New Report** menu and select **Create From Template File**



NOTE: For information on the role of template files in creating Job Reports, see [Exporting & Copying Job Reports](#).



IMPORTANT: Changes to a Job Report do not save automatically. If you navigate to another part of the platform while editing a Job Report, you will be prompted to confirm the loss of unsaved changes. Save your progress often to prevent the loss of a Job Report's configuration.


Configuring the Report Data Source

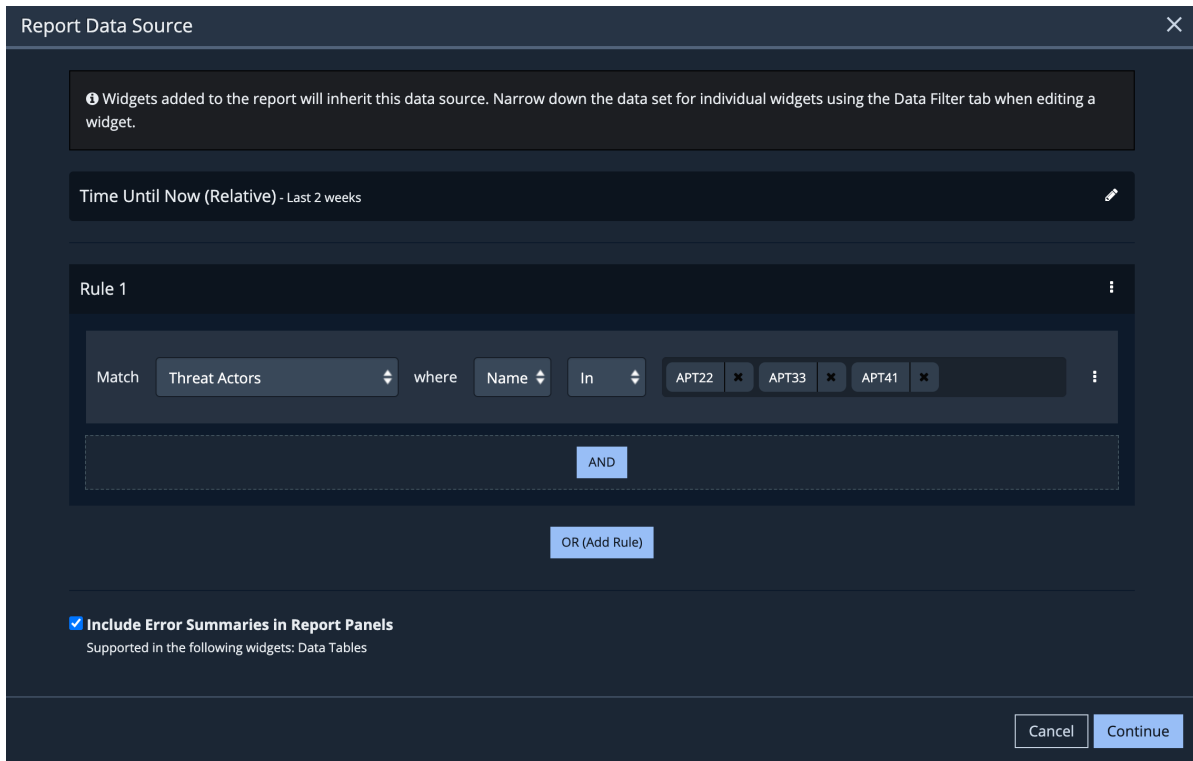
The report data source is determined by two things: the time range of Job Action results included and, optionally, custom filter rules that determine what Job Action results are included.



Host CLI Actions that have resulted in an Incompatible status are not included in reports.



Individual components where the Time Range or Filter Rules do not inherit the report's Data Source have a selectable tooltip . You can click the tooltip to view which Data Source rules have been overridden.





A Job Report's Data Source showing example time, rule, and error summary configuration

TO CONFIGURE THE TIME RANGE OF A JOB REPORT OR INDIVIDUAL COMPONENT

By default, all widgets added to a Job Report adhere to the time range you configure in the **Report Data Source** window. You can also configure a unique data source when editing individual widgets, in the **Data Filter** tab. Time ranges configured at the individual component level, or the **Data Filter** tab, override those configured in the **Report Data Source** window.

Using different time ranges in a single Job Report can help you compare security technology performance between specified time frames. For example, you can add four Stacked Bar Charts and use the **Data Filter** tab to set each chart's Time Range to a different fiscal quarter. This lets you compare activity trends between multiple quarters.

 If you are adding unique Time Range rules in the **Data Filter** tab, you must clear the checkbox for **Use the global time range (uncheck to override)**.

1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. In the **Report Data Source** window or in a component's **Data Filter** tab, edit the Job Report's **Time Range**. Select either
 - Time Until Now (Relative), which lets you specify a window of time (relative to the current date and time) for job results to be pulled from.
 - Custom Range (Absolute), which lets you define an exact window of time for job results to be pulled from.


 By default, both Time Range options pull data from the last two weeks.


3. Click **Apply**.

TO ADD FILTER RULES TO A JOB REPORT OR INDIVIDUAL COMPONENT


By default, all widgets added to a Job Report adhere to the filter rules you configure in the **Report Data Source** window. You can also configure a unique data source when editing individual widgets, in the **Data Filter** tab. If no filter rules are added, the Job Report will use all Action data in the Validation Platform.

Rules configured at the individual component level, or the **Data Filter** tab, override those configured in the **Report Data Source** window.

 If you are adding Filter Rules in the **Data Filter** tab, you must clear the checkbox for **Use the global filter rules (uncheck to override)**.


1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. In the **Report Data Source** window or in a component's **Data Filter** tab, click **Add Rule**.
3. Select an attribute to match against.


 Available attribute options relate to Action details, Job Action results, and Actors.

4. Select an additional attribute trait to match against. This varies depending on the Job Action attribute you select. See **Data Source/Filter Rule Values in Job Reports and the MITRE ATT&CK Dashboard** (<https://docs.mandiant.com/home/data-sourcefilter-rule-values-in-job-reports-and-the-mitre-attck-dashboard>) for the full list of options.
5. (Optional) Select either **AND** to add another condition to the rule or **OR (Add Rule)** to add another rule.
6. (Optional) Select the vertical ellipses () next to a rule to clone or delete it.
7. Click **Continue**.

TO INCLUDE ERROR SUMMARIES IN REPORT PANELS

By default, when a Job Action errors, it is not included in the pass / fail or detected / alerted / missed data for Jobs. This means errored Job Actions are not automatically included in reports you build using Report Builder. If you want to include the errored Job Actions in the report, there is an option you can select.


 Error Summaries are only available in the Data Tables.

1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. In the **Report Data Source** window select **Include Error Summaries in Report Panels**.
3. Click **Continue**.

TO COPY DATA FILTER DETAILS USED IN ANOTHER COMPONENT

If you have configured a component's rules differently from the Job Report's Data Source, you can copy those rules for easy use in other components. For example, you can choose to copy the rules you configured for a Data Table into your Stacked Bar Chart.

 Your report must have at least one component/widget with customized data source rules for you to duplicate rules between components. See **Adding Layout/Structure Components to a Job Report** (<https://docs.mandiant.com/home/adding-layoutstructure-components-to-a-job-report>) and **Adding Content Widgets to a Job Report** (<https://docs.mandiant.com/home/adding-content-widgets-to-a-job-report>) for information.

1. Open a Job Report for editing.
2. Expand a component's action menu , then select **Edit Widget**.
3. In the **Data Filter** tab, clear the checkbox for **Use the global filter rules (uncheck to override)**.
4. Under **Copy overridden data rules from component**, select another component from the drop-down list.




Components with zero data rules may still appear in the drop-down list and can be selected. Components that inherit the report's Data Source are unavailable and cannot be selected.

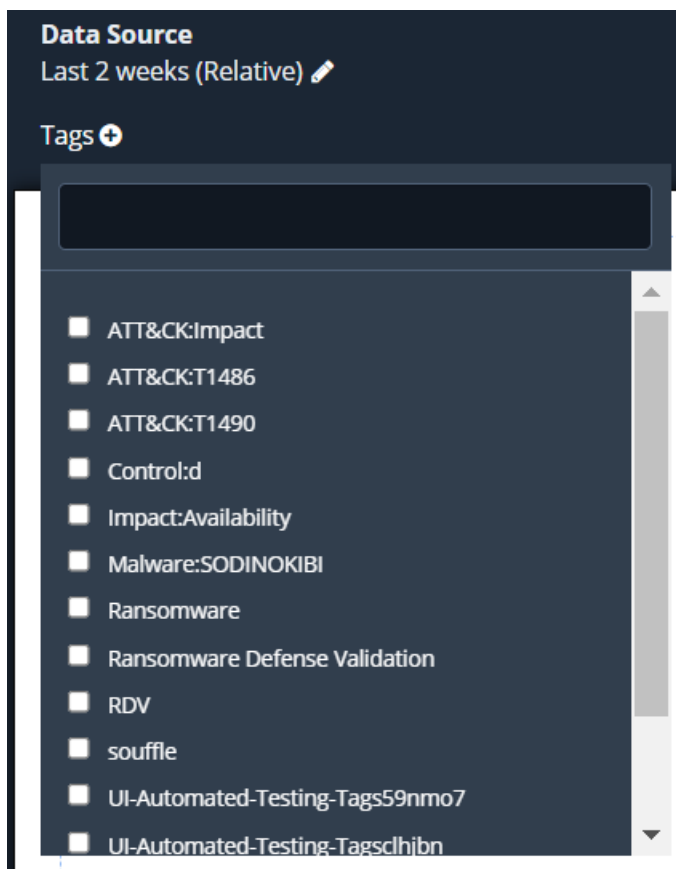
A message appears and displays the amount of rules that will be inherited from that component.

5. Click **Continue**.
Previous rule configuration is overridden and the inherited rule is applied.

TO CONFIGURE TAGS IN REPORT BUILDER

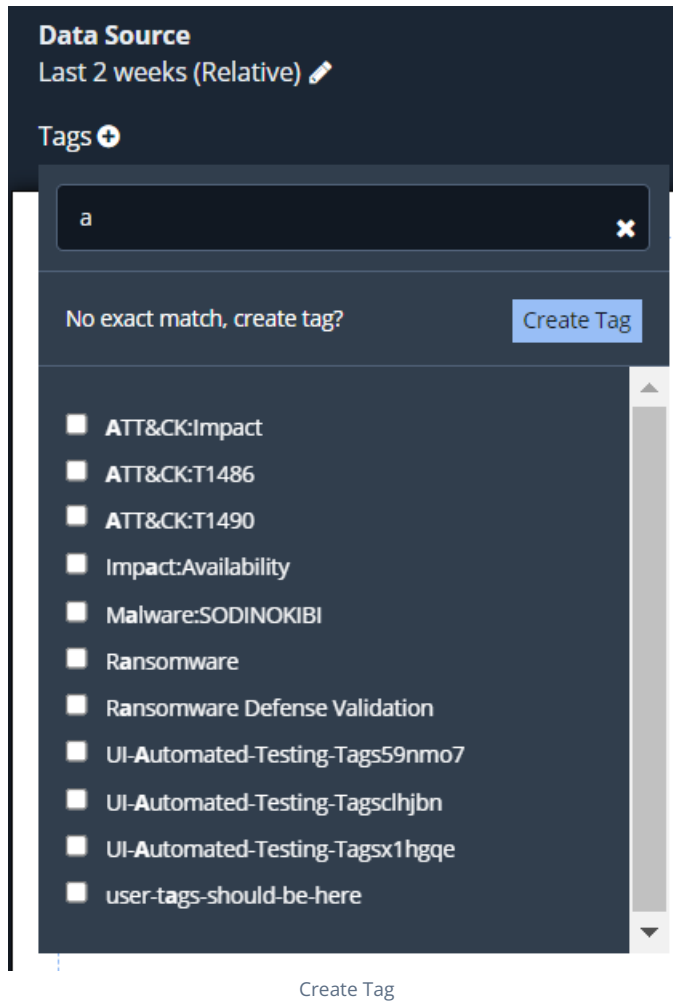
You can add existing tags to reports or create your own. Tags allow you to search for and filter reports by tag.

1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. In the Report Data Source window, click **Continue**.
3. At the top of the Data Source window, click **Tags +**.
4. Select tags from the drop-down list by clicking the box next to the tag name.



Select Tags from List


5. If you do not see the tag you want, you can create one by entering the tag name in the field and clicking **Create Tag**.



6. Click **Save**.

Adding Layout/Structure Components to a Job Report

To Configure Layout/Structure Components

1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. Click **Add Component +**.




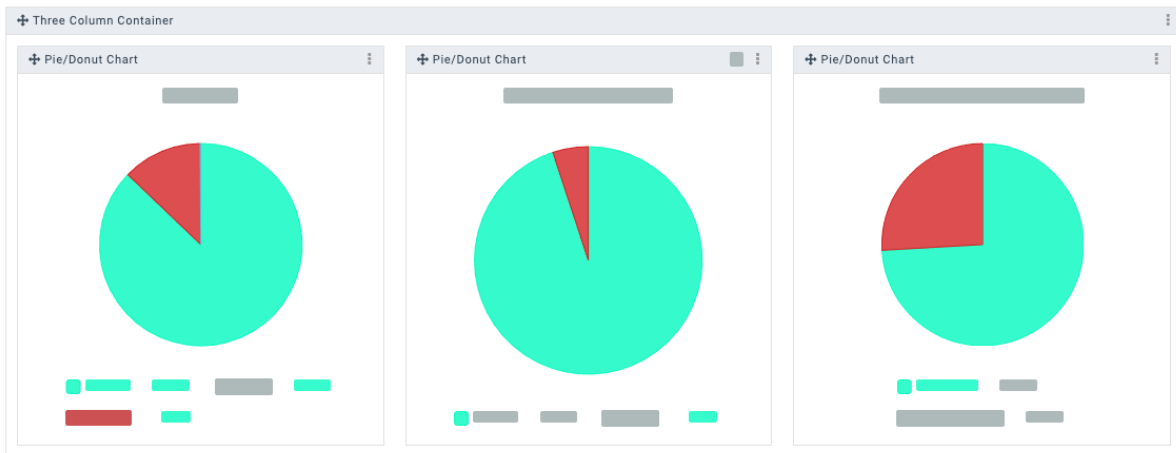
If there are components already in the report, you may need to hover the cursor above or below a component to see this option.

3. In the **Panel Library**, add one of the following to your report:
 - Left Weighted Two Column Container
 - Page Break
 - Right Weighted Two Column Container
 - Template Section
 - Three Column Container
 - Two Column Container
4. To add content to a container, click **Add Component +** inside that container.



If there are components already in the report, you may need to hover the cursor above or below a component to see the **Add Component +** option.


5. Select a Content Widget or Chart/Data Visualization component to your report.
6. Optional: To duplicate or delete the container, select the component menu  and select **Duplicate** or **Delete**.
7. Optional: To move a Layout/Structure component and its contents, click the component and drag it to the desired location.



A Three Column Container with three Pie/Donut Charts inside

Adding Content Widgets to a Job Report

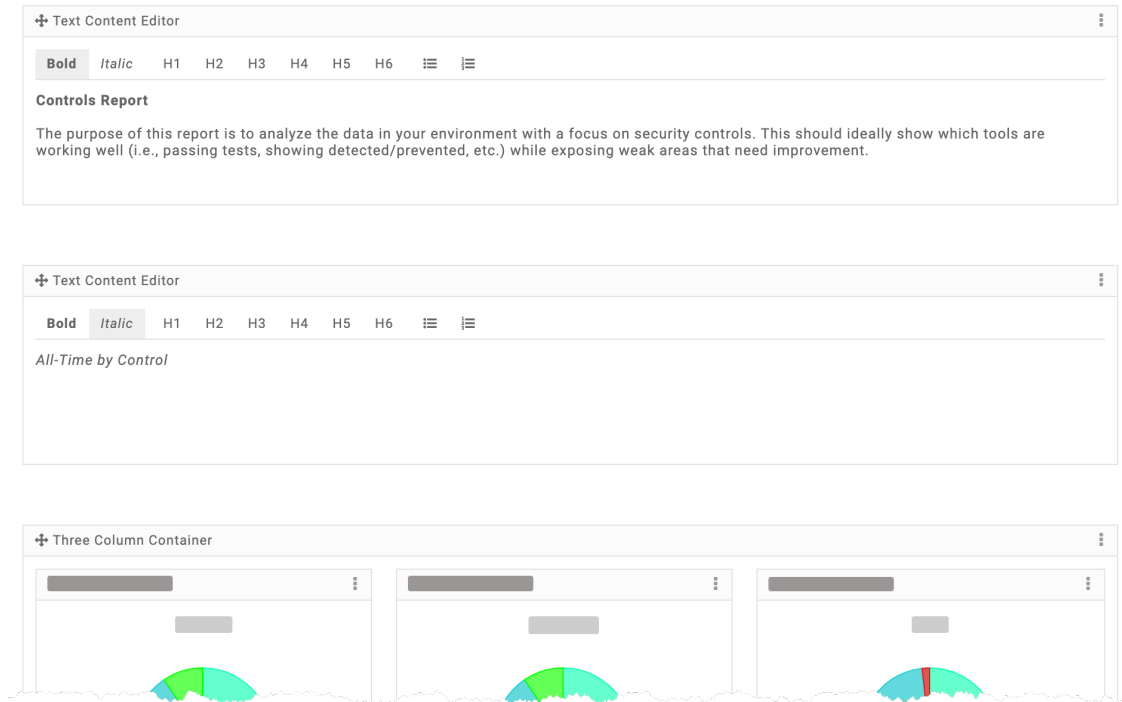
To Configure Text Content Editor Widgets

1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. Click **Add Component +**.



If there are components already in the report, you may need to hover the cursor above or below a component to see this option.


3. In the **Panel Library**, add a **Text Content Editor** to your report.
4. Enter your text content.
5. (Optional) Use the text formatting toolbar to customize the text.



Two Text Content Editors - one being used to summarize the report and the other to introduce the Pie/Donut charts that follow

To Configure Data Table Widgets

Data Tables can only be added as individual components, not inside column containers.

1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. Click **Add Component +**.



If there are components already in the report, you may need to hover the cursor above or below a component to see this option.

3. In the **Panel Library**, add a **Data Table** to your report.
The **Edit Widget** window appears.
4. Configure the **Details** tab.
 - a. (Optional) Enter the table's title.
 - b. (Optional) Select a category to group data by.





Grouping categories organize table data by either Action, Stage of Attack, or Behavior. For example, a table that shows the pass/fail rates of Actions based on ATT&CK Tactics can be further grouped by Stage of Attack. In this example, you would be able to compare the pass/fail performance of your security controls against each Stage of Attack while also viewing which ATT&CK Tactics fall into each category.






Selecting a grouping category does not add a matching column to the table. By default, a message will display below the table title with an explanation of the data's grouping, but the grouping selection will not be visible in the table. It is recommended that you add a column that matches the grouping category you select.




- c. Select **Add Column +** and select what information to include in the column.

- Some columns can be used to sort the Data Table's contents and appear with  and  buttons. For example, you can add an Action Name column to your table, then sort the table based on Action Name (ascending or descending). Grouping selections may impact which columns can be used to sort.
- You can add Action characteristics or Job results details (Job Action) as Data Table columns. See [Report Data Table Column Options](https://docs.mandiant.com/home/report-data-table-column-options) (<https://docs.mandiant.com/home/report-data-table-column-options>) for the full list of options.

5. Configure how the Data Table contents are sorted. Sorting organizes the table based on columns, while grouping sorts the table based on rows. You can either:


 If you grouped your table, sorting based on columns with Job Action Results' start/end times is not supported. Grouping selections may also impact which other columns can be used to sort.

- Leave **Sort results by Job Action run date/time** selected.
 - Choose whether to sort by ascending or descending.
- Deselect **Sort results by Job Action run date/time** .
 - (Optional) Select either  or  next to a column to sort by ascending or descending.

 Selections you make using the  and  buttons can be changed while editing the Data Table or Job Report and while viewing the Job Report.

6. (Optional) Click and drag the columns to determine their order in the table.


7. (Optional) Configure the **Data Filter** tab.

 See [Configuring the Report Data Source](https://docs.mandiant.com/home/configuring-the-report-data-source#To2) (<https://docs.mandiant.com/home/configuring-the-report-data-source#To2>) for more information.

8. Click **Apply**.


















+ Data Table

By Stage

 Column selections too wide for PDF rendering; will be included with report as CSV.

Result rows grouped by **Stage of Attack**.

Showing 6 rows from 919 Job Actions.

Attacker Behavior	Stage of Attack	Prevented	Blocking Technologies	Detected	Detecting Technologies	Missed	Alerted
Upload-Exfil, General-Remote Access, Download-MFT, Web Shell, Fingerprinting, General-MFT, Reverse Shell, Impersonation, General-Behavior, General-Scanning & Enumeration	Action on Target	48.4% 		70.4% 		 	 
Command Injection, Vulnerability Scanners, Brute Force, General-Behavior, CSRF, DoS, General-Web Attack, SQL Injection, General-Remote Access, Privilege Escalation, Download-MFT	Exploitation	 		77.2% 		 	 

Adding Charts/Data Visualization to a Job Report

To Configure Treemap Charts

1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.

2. Click **Add Component +**.



If there are components already in the report, you may need to hover the cursor above or below a component to see this option.

3. In the **Panel Library**, add a **Treemap Chart** to your report.

The **Edit Widget** window appears.

4. Configure the **Details** tab.

a. Optional: Enter the Treemap Chart's **Title**.

b. Select a data **Category** for the Treemap Chart to display.

c. From **Scale color by**, select a Job Action result for the Treemap Chart to display.



The color saturation of each rectangle depends on the number of Job Action results that match your selection. Less saturated rectangles represent fewer matching Job Action results, while more saturated rectangles represent higher numbers of matching Job Action results.



Selecting Passed, Detected, Prevented, or Alerted will display data in various shades of green. Selecting Failed, Not Detected, Not Prevented, Not Alerted, or Missed will display data in various shades of red.

5. Optional: Configure the **Data Filter** tab.



See **Configuring the Report Data Source** (<https://docs.mandiant.com/home/configuring-the-report-data-source#To2>) for more information.

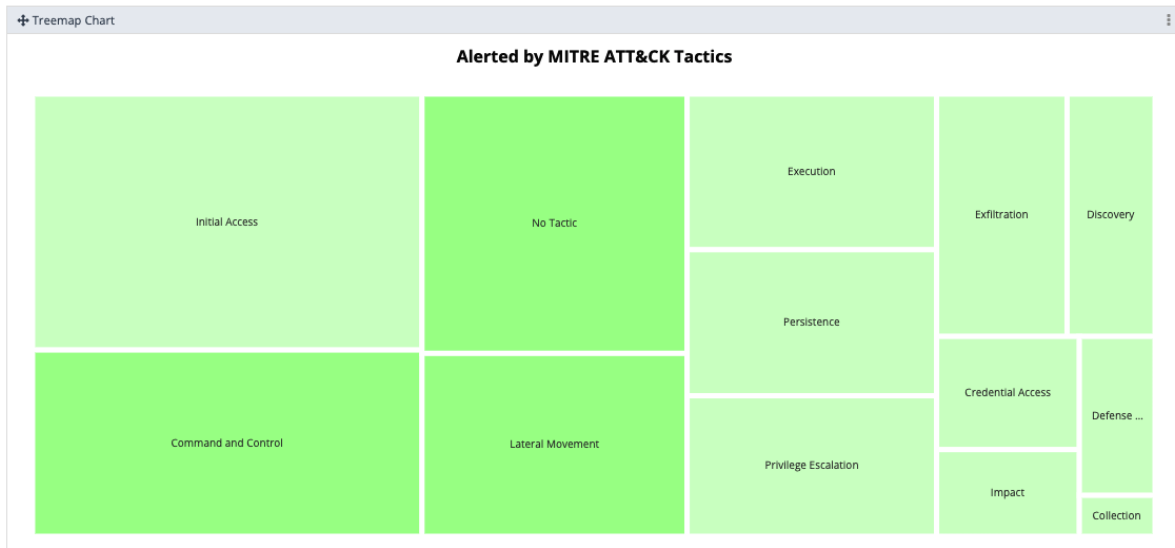
6. Click **Apply**.



Treemap Charts display data in rectangles, where rectangle size is determined by the number of Job Actions in the Data Source that match the **Category** and **Scale color by selections** you make. The greater the number of Job Actions that match, the larger the rectangle will be in size.



Hover your cursor over each rectangle to see the exact number of Job Actions that matched the Treemap settings you configured in the Details and Data Filter tabs.




A Treemap Chart configured to display alerted Job Action Results, organized by MITRE ATT&CK Tactics.



Note that the Initial Access box in is large and shaded light green. This indicates that while Initial Access was used in more Job Actions than any other Tactic, it rarely resulted in an alert being generated.

To Configure Single Stats

1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. Click **Add Component +**.



If there are components already in the report, you may need to hover the cursor above or below a component to see this option.

3. In the **Panel Library**, add a **Single Stat** to your report.
The **Edit Widget** window appears.
4. Configure the **Details** tab.
 - a. Optional: Enter the Single Stat's **Title**.
 - b. Select the display style, either **Text only** or **With gauge/donut**.
 - c. From **Value Type**, select the stat you want to display.
 - d. Select whether to include a percentage that represents the Single Stat.
5. Optional: Configure the **Data Filter** tab.




See **Configuring the Report Data Source** (<https://docs.mandiant.com/home/configuring-the-report-data-source#To2>) for more information.

6. Click **Apply**.



Four Single Stats that display percentages of Actions that were prevented, detected, alerted, and missed

To Configure a Spiral Chart

1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. Click **Add Component +**.



If there are components already in the report, you may need to hover the cursor above or below a component to see this option.

3. In the **Panel Library**, add a **Spiral Chart** to your report.
The **Edit Widget** window appears.

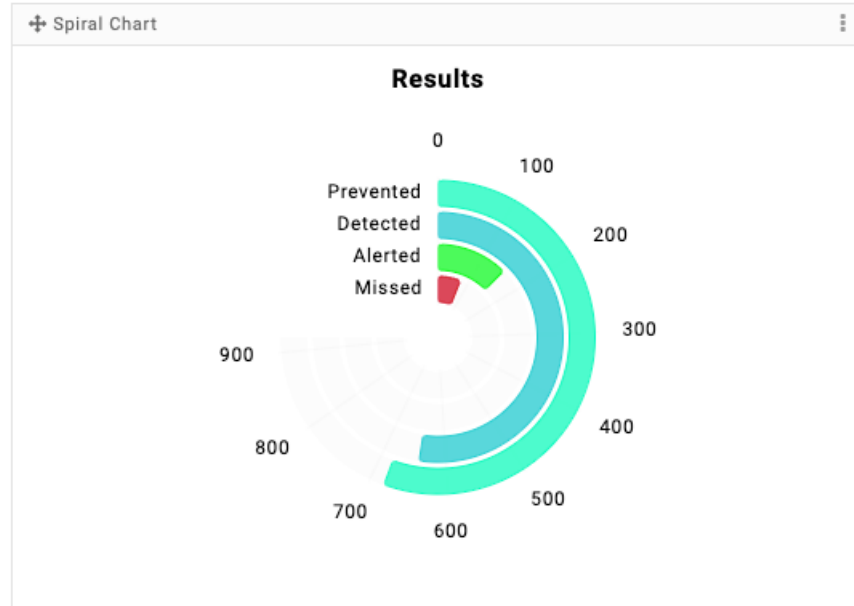
4. Configure the **Details** tab.
 - a. Optional: Enter the Spiral Chart's **Title**.
 - b. Select a **Value Type**.

5. Optional: Configure the **Data Filter** tab.




See **Configuring the Report Data Source** (<https://docs.mandiant.com/home/configuring-the-report-data-source#To2>) for more information.

6. Click **Apply**.



A Spiral Chart showing total counts of Actions that were prevented, detected, alerted, and missed

To Configure an Overview Card

1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. Click **Add Component +**.



If there are components already in the report, you may need to hover the cursor above or below a component to see this option.

3. In the **Panel Library**, add an **Overview Card** to your report.
The Edit Widget window appears.
4. Configure the **Details** tab.
 - a. Optional: Enter the Overview Card's **Title**.
 - b. Optional: Enable **Show Job Stats**, which displays both the number of Actions and Job Actions in your environment.
 - c. For Chart Type, select whether you want to include a chart (**Stacked Bar**, **Job Action Results Line**, **Trending Threshold**) or not (**No Visualization**).



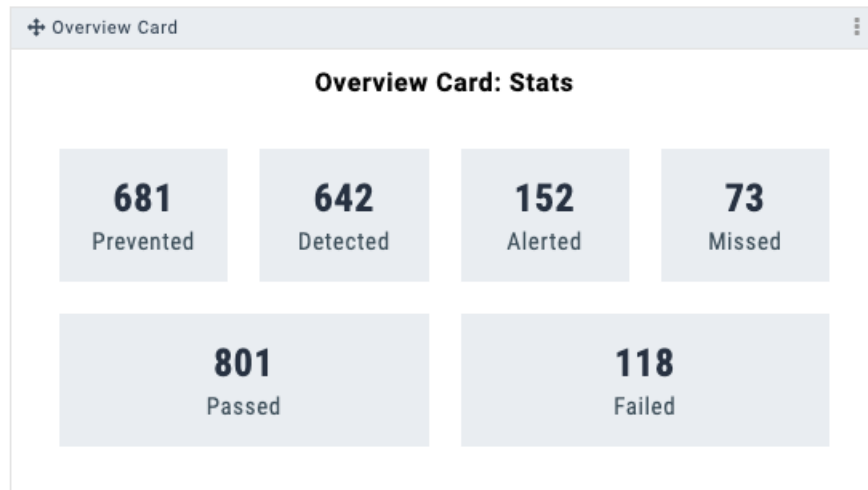
If you choose to include a chart in your Overview Card, you'll need to configure that chart. In that case, review the configuration steps for the **Stacked Bar Chart**, **Job Action Results Line Chart**, and **Trending Threshold Chart**.

- d. Select whether to include any or all Single Stat values.
5. Optional: Configure the **Data Filter** tab.




See **Configuring the Report Data Source** (<https://docs.mandiant.com/home/configuring-the-report-data-source#To2>) for more information.


6. Click **Apply**.



An Overview Card set to display all available Single Stats together

To Configure a Pie/Donut Chart

1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. Click **Add Component +**.

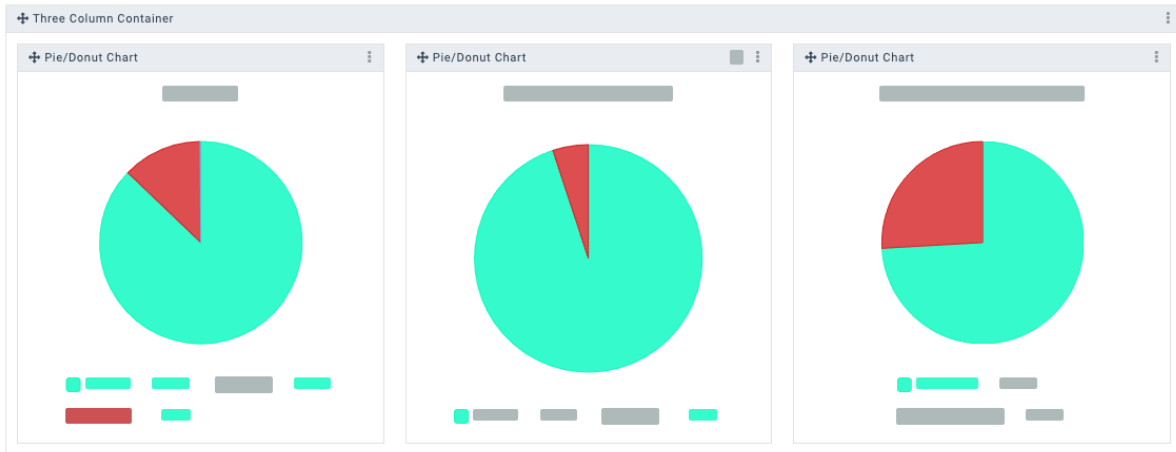
 If there are components already in the report, you may need to hover the cursor above or below a component to see this option.

3. In the **Panel Library**, add a **Pie/Donut Chart** to your report.
The **Edit Widget** window appears.
4. Configure the **Details** tab.
 - a. Optional: Enter the Pie/Donut Chart's **Title**.
 - b. Select whether the chart displays as a **Pie Chart** or **Donut Chart**.
 - c. Select a **Value Type**.

5. Optional: Configure the **Data Filter** tab.


 See **Configuring the Report Data Source** (<https://docs.mandiant.com/home/configuring-the-report-data-source#To2>) for more information.

6. Click **Apply**.



A Three Column Container with three Pie/Donut Charts inside

To Configure a Stacked Bar Chart

1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. Click **Add Component +**.



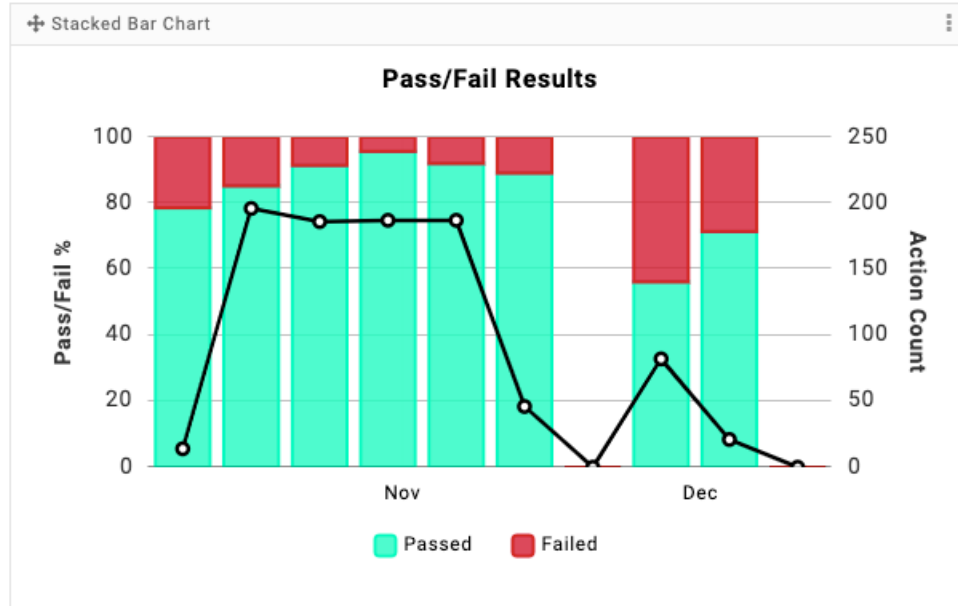
If there are components already in the report, you may need to hover the cursor above or below a component to see this option.

3. In the **Panel Library**, add a **Stacked Bar Chart** to your report.
The **Edit Widget** window appears.
4. Configure the **Details** tab.
 - a. Optional: Enter the Stacked Bar Chart's **Title**.
 - b. Select the **X Axis Type**, which determines whether the X axis displays results over time or results grouped by categories.
To select the security technologies you want to exclude/include in the report:
 - i. Select **Security Technologies** in the X Axis Type drop-down list.
 - ii. Deselect/Select the check box next to each security technology you want to exclude from or include in the rendered report (all known security technologies are selected by default in the list).
 - iii. Search for a specific security technology by entering it in the search field.
 - iv. Deselect or select all security technologies by clicking the **Deselect All/Select All** link.
 - v. Click **Apply**.
 - c. Select a **Value Type**, which determines what data is shown in the chart.
 - d. Select whether to include a line that shows the total number of Job Actions represented in each bar in the chart.
 - e. Select the **Chart column density**, which allows you to choose how much time is represented by each bar.
The drop-down includes the following options:
 - i. **Automatic** (this is the default but it allows for 1 hour bars when the number of days is less than 7)
 - ii. **1 hour**
 - iii. **1 day**
 - iv. **1 week**
 - v. **1 month**
5. Optional: Configure the **Data Filter** tab.




See [Configuring the Report Data Source](https://docs.mandiant.com/home/configuring-the-report-data-source#To2) (<https://docs.mandiant.com/home/configuring-the-report-data-source#To2>) for more information.

- Click **Apply**.



A Stacked Bar Chart that shows Pass/Fail results over time and includes total counts with a line

To Configure a Trending Threshold Chart


- In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
- Click **Add Component +**.



If there are components already in the report, you may need to hover the cursor above or below a component to see this option.

- In the **Panel Library**, add a **Trending Threshold Chart** to your report. The **Edit Widget** window appears.
- Configure the **Details** tab.
 - Optional: Enter the Trending Threshold Chart's **Title**.
 - Define the **Desired Rate (Percentage)** and the **Value Type**.

The desired percentage rate determines the threshold that needs to be met for the chart to display positive or negative trends. For example, if the desired rate is set to 95 and the value type is set to Pass/Fail, the chart displays time ranges where 95% or more of Job Actions passed as green and above the threshold line. The time ranges where less than 95% of Job Actions passed will display as red and below the threshold line. In this example, the threshold line is at 95% on the Y axis.




VID	These columns only include completed jobs					These columns include both completed & error jobs		
	Passed	Failed	Prevented	Detected	Alerted	Completed	Errored	Total
A104-192	--	--	--	--	--	0% (0/1)	100% (1/1)	1
A104-152	--	--	--	--	--	0% (0/2)	100% (2/2)	2
A104-057	--	--	--	--	--	0% (0/1)	100% (1/1)	1
A100-295	100% (6/6)	0% (0/6)	100% (6/6)	83.3% (5/6)	0% (0/6)	75% (6/8)	25% (2/8)	8
A100-277	100% (4/4)	0% (0/4)	100% (4/4)	100% (4/4)	0% (0/4)	80% (4/5)	20% (1/5)	5
A100-017	100% (4/4)	0% (0/4)	100% (4/4)	100% (4/4)	0% (0/4)	80% (4/5)	20% (1/5)	5
A100-871	100% (7/7)	0% (0/7)	0% (0/7)	100% (7/7)	0% (0/7)	87.5% (7/8)	12.5% (1/8)	8
A100-524	100% (1/1)	0% (0/1)	100% (1/1)	100% (1/1)	0% (0/1)	100% (1/1)	0% (0/1)	1
A100-267	100% (6/6)	0% (0/6)	16.7% (1/6)	83.3% (5/6)	0% (0/6)	100% (6/6)	0% (0/6)	6

Annotated Data Table that includes errored Job Action data

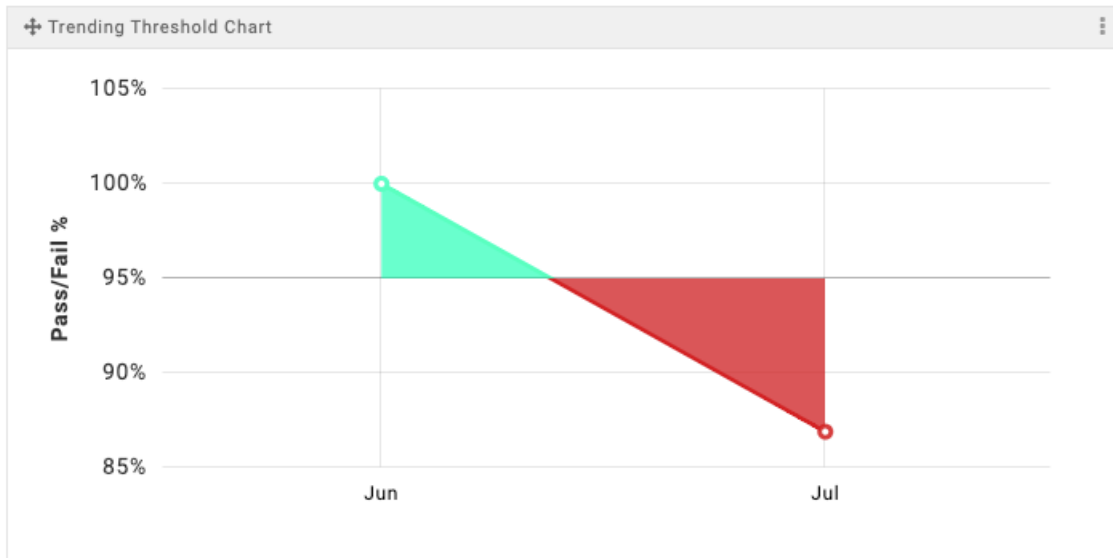
- c. Select the **Chart column density**, which allows you to choose how much time is represented by each bar. The drop-down includes the following options:
 - i. **Automatic** (this is the default but it allows for 1 hour bars when the number of days is less than 7)
 - ii. **1 hour**
 - iii. **1 day**
 - iv. **1 week**
 - v. **1 month**

5. Optional: Configure the **Data Filter** tab.




See **Configuring the Report Data Source** (<https://docs.mandiant.com/home/configuring-the-report-data-source#To2>) for more information.

6. Click **Apply**.



A Trending Threshold Chart where the desired percentage rate (95%) was met in June, but not in July

To Configure a Job Actions Line Chart

1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. Click **Add Component +**.



If there are components already in the report, you may need to hover the cursor above or below a component to see this option.

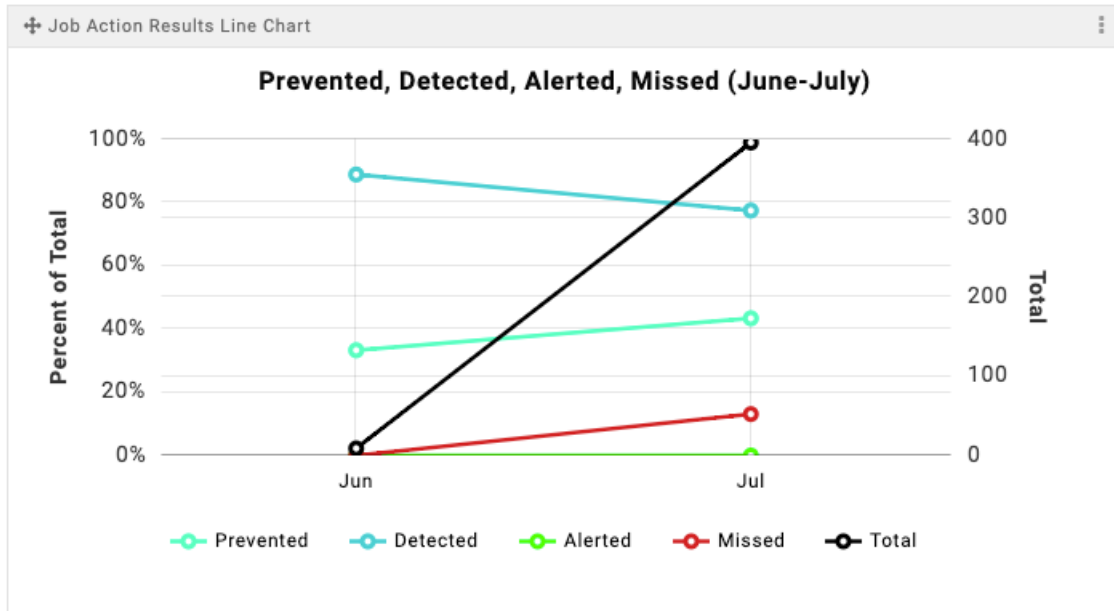
3. In the **Panel Library**, add a **Job Actions Line Chart** to your report.
The **Edit Widget** window appears.
4. Configure the **Details** tab.
 - a. Optional: Enter the Job Actions Line Chart's **Title**.
 - b. Select whether the chart displays counts of or percent of total Job Actions run.
 - c. Select whether the chart also displays total Job Actions run in a line and on the the Y axis.
 - d. Select the **Chart column density**, which allows you to choose how much time is represented by each bar.
The drop-down includes the following options:
 - i. **Automatic** (this is the default but it allows for 1 hour bars when the number of days is less than 7)
 - ii. **1 hour**
 - iii. **1 day**
 - iv. **1 week**
 - v. **1 month**

5. Optional: Configure the **Data Filter** tab.




See **Configuring the Report Data Source** (<https://docs.mandiant.com/home/configuring-the-report-data-source#To2>) for more information.

6. Click **Apply**.



A Job Action Results Line Chart that includes the totals line and axis

To Configure a Threshold Radar Chart

1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. Click **Add Component +**.



If there are components already in the report, you may need to hover the cursor above or below a component to see this option.

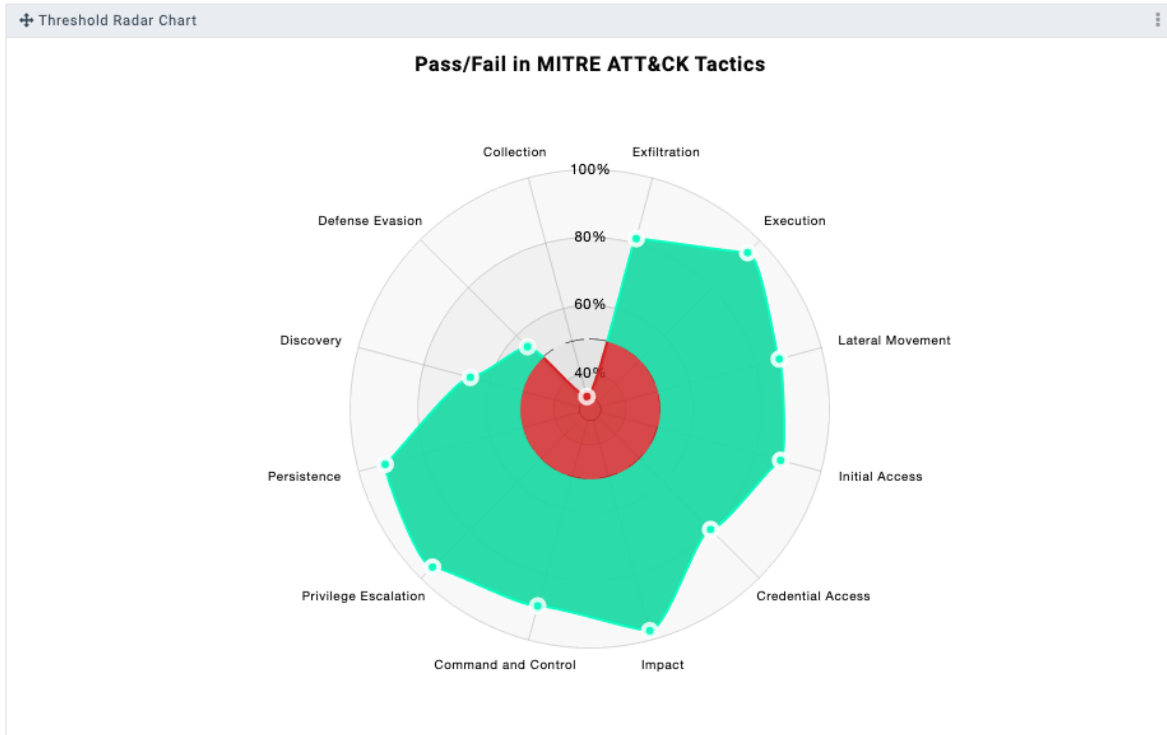
3. In the **Panel Library**, add a **Threshold Radar Chart** to your report. The **Edit Widget** window appears.
4. Configure the **Details** tab.
 - a. Optional: Enter the Threshold Radar Chart's **Title**.
 - b. Select whether the the chart pulls Job Action results in relation to **Stages of Attack**, **MITRE ATT&CK Tactics**, **NIST 800-53 Control Families**, or **Attacker Behaviors**.
 - c. Select whether the chart shows data for **Pass/Fail** or **Prevented/Not Prevented** rates.
 - d. Set the threshold, or **Desired Rate (Percentage)**, to measure your Job Action performance against. The percentage you define will appear in the chart as a dashed line.

5. Optional: Configure the **Data Filter** tab.



See **Configuring the Report Data Source** (<https://docs.mandiant.com/home/configuring-the-report-data-source#To2>) for more information.


6. Click **Apply**.




A Threshold Radar Chart that shows Pass/Fail performance organized by MITRE ATT&CK Tactics, with a 50% passing threshold set

To Configure a bullet Chart

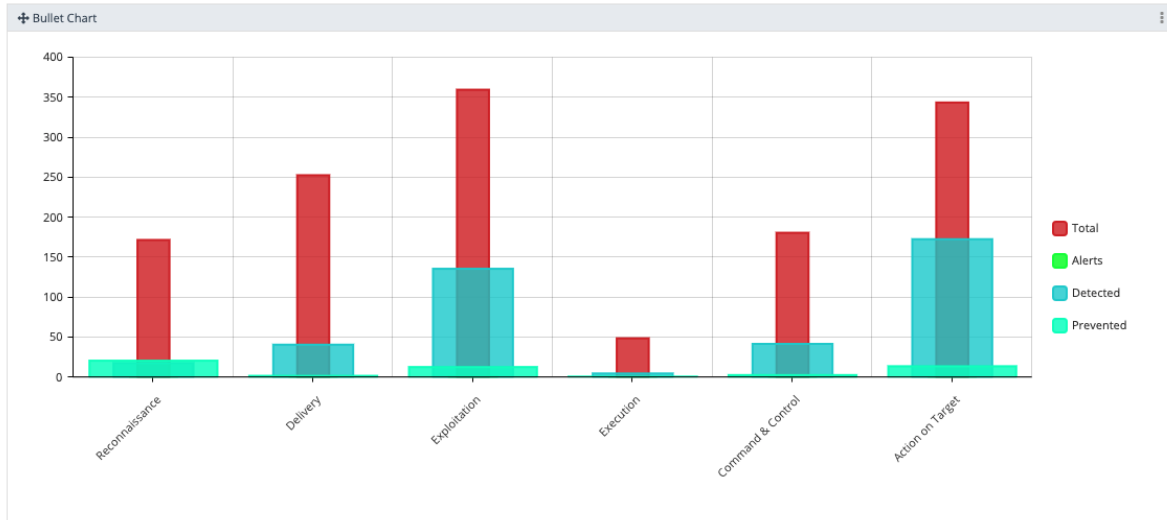
1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. Click **Add Component +**.

 If there are components already in the report, you may need to hover the cursor above or below a component to see this option.

3. In the **Panel Library**, add a **Bullet Chart** to your report.
The **Edit Widget** window appears.
4. Configure the **Details** tab.
 - a. Optional: Enter the Bullet Chart's **Title**.
 - b. Select whether the the chart pulls Job Action results in relation to **Stages of Attack**, **Attacker Behaviors**, **Attack Vector**, or **Zones**.
5. Optional: Configure the **Data Filter** tab.


 See [Configuring the Report Data Source \(https://docs.mandiant.com/home/configuring-the-report-data-source#To2\)](https://docs.mandiant.com/home/configuring-the-report-data-source#To2) for more information.

6. Click **Apply**.



A Bullet Chart showing the amount of Job Actions at various Stages of Attack

To Configure a Force Field Chart

1. In the **Analyze > Reports** page, create a new report or use the Actions menu  to edit an existing report.
2. Click **Add Component +**.



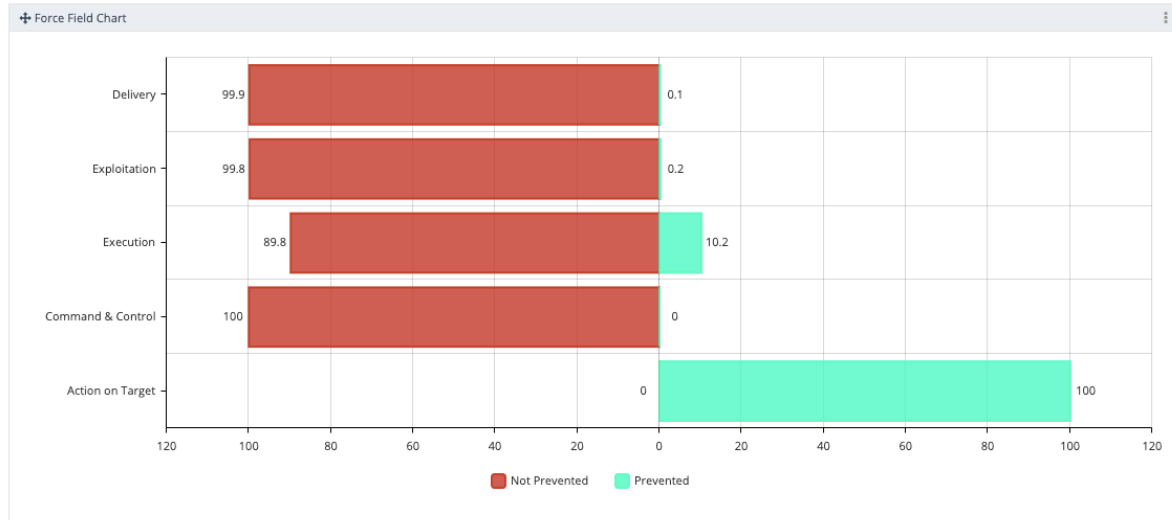
If there are components already in the report, you may need to hover the cursor above or below a component to see this option.

3. In the **Panel Library**, add a **Force Field Chart** to your report.
The **Edit Widget** window appears.
4. Configure the **Details** tab.
 - a. Optional: Enter the Force Field Chart's **Title**.
 - b. Select whether the the chart pulls Job Action results in relation to **Stages of Attack**, **Attacker Behaviors**, **Attack Vector**, or **Zones**.
 - c. Select whether the chart shows data for **Pass/Fail** or **Prevented/Not Prevented** rates.
 - d. Set the Result Display Style to **Count** or **Percentage**.



See [Configuring the Report Data Source](https://docs.mandiant.com/home/configuring-the-report-data-source#To2) (<https://docs.mandiant.com/home/configuring-the-report-data-source#To2>) for more information.

6. Click **Apply**.



A Force Field Chart showing the percentage of Job Actions Prevented/Not Prevented at various Stages of Attack.

Exporting Job Reports

Reports created with the Report Builder can be exported as a PDF or as a template file. The PDF will be in Portrait mode with a white background and will contain everything in that Job Report, including unsaved changes, in the format you have configured. The template file is used to easily share reports with other Validation Platform users.



Job Report templates only include the layout and data source information. If you import the template into a different Director, the values in the report will be different because the Director has different Action data.

TO EXPORT A JOB REPORT AS A PDF

1. Navigate to the **Analyze > Reports** page and open a report.
2. Expand () the **Export** menu.
3. Select **Export PDF**.



If your Job Report includes a Data Table and the column selections are too wide for PDF rendering, a ZIP file is exported that includes the report as a PDF and the Data Table as a CSV. In the PDF, the Data Table is replaced by the message "Column selections too wide for PDF rendering".

TO EXPORT REPORT CHARTS

1. Navigate to the **Analyze > Reports** page and open a report.
2. Expand () the **Export** menu.
3. Select **Export Report Charts**.



The report charts will export as a ZIP file containing all charts in the report as SVG files. When a report only includes a single chart, that chart exports as an SVG, instead of as a ZIP file.

TO EXPORT A JOB REPORT AS A TEMPLATE

1. Navigate to the **Analyze > Reports** page.



2. Identify the desired Job Report, expand its Actions menu  and select **Export Template File**.

NOTE: You can also use the **Export** menu described in the previous section.

Copying Job Reports

Copying your reports lets you quickly repurpose existing reports build out others.

TO SAVE A COPY OF A JOB REPORT

1. Navigate to the **Analyze > Reports** page.
2. Open or edit a report.
 - a. If viewing a report, expand the  drop-down menu and select **Save a Copy**.
 - b. If editing a report, expand the **Save**  drop-down menu and select **Save a Copy**.
3. Enter a name for the report copy.
4. Click **Save Copy**. The copied report opens in the edit view.