

Static Analysis Widgets

The widgets in this category return static analysis results from Parasoft code analysis and test execution tools (C/C++test, dotTEST, Jtest). Additionally, multiple occurrences of a violation detected and reported by Parasoft tools are recognized as the same violation throughout the development lifecycle. If the same violation is discovered multiple times, it is recognized as the same violation and displayed in a Static Analysis widget as such.

Running static analysis on multiple branches using the same run configuration

By default, the same instance of a static analysis violation will be reported across builds as a new violation when running static analysis on multiple branches using the same run configuration. As a result, widget that present changes in the number of violations will not be accurate. See [Configuring Static Analysis Settings](#) for additional information.

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Assignees - Top 5 Table

Assignees ...	
Name	# of Violations
jchang	107
odadian	27
jeehongm	13
tkim	11
jromero	11

[more...](#)

This widget shows the five users with the most number of violations assigned to them for the specified project in a table format.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Target Build	Choose a build from the drop-down menu. Only the data for this build will appear in the widget.
Severity	Choose a severity level to display from the Severity drop-down menu.

Actions

Click on an assignee to open the Violations Explorer filtered by the selected assignee. See [Violations Explorer](#).

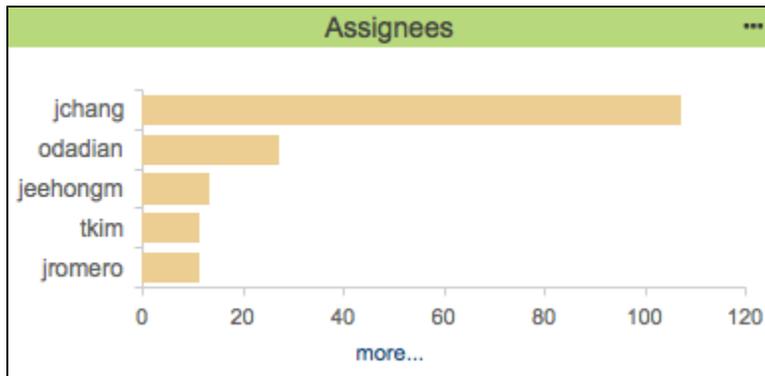
Click the **more...** link to view the Assignees report. See [Assignees Report](#).

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "assignees",  
"type": "native",  
"uuid": "860837a0-5949-4504-9c8b-db025673aaa5"
```

Assignees - Top 5 Bar



This widget shows the five users with the most number of violations assigned to them for the specified project in a bar graph.



This widget requires a DTP Enterprise license.

Contact your Parasoft representative for additional information.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Severity	Choose a severity level to display from the Severity drop-down menu.
Target Build	Choose a build from the drop-down menu. Only the data for this build will appear in the widget.

Actions

Click on a bar to open the Violations Explorer filtered by the selected assignee. See [Violations Explorer](#).

Click the **more...** link to view the Violations by Assignee report. See [Assignees Report](#).

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "assignees",  
"type": "native",  
"uuid": "fe6a17ee-aab1-417c-93fa-367e8e9b0154"
```

Authors - Top 5 Table

Authors	
Name	# of Violations
jchang	119
odadian	25
tkim	14
jeehong min	12
bmerdian	12

[more...](#)

This widget shows the five authors with the most violations attributed to them for the selected project.



This widget requires a DTP Enterprise license.

Contact your Parasoft representative for additional information.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Target Build	Choose a build from the drop-down menu. Only the data for this build will appear in the widget.
Severity	Choose a severity level to display from the Severity drop-down menu.

Actions

Click on an author to open the Violations Explorer filtered by the selected author. See [Violations Explorer](#).

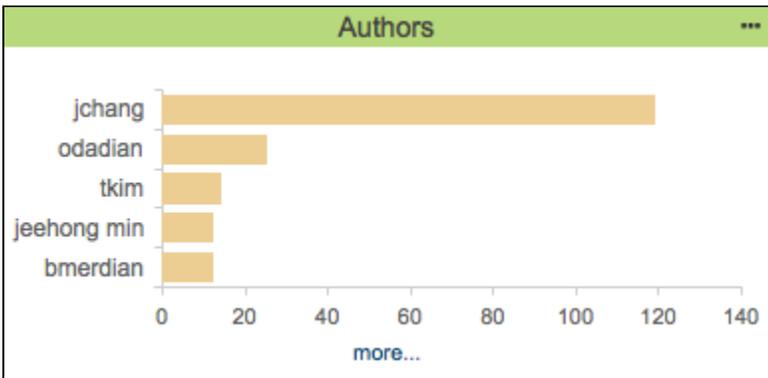
Click the **more...** link to view the Violations by Author report. See [Authors Report](#).

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "authors",  
"type": "native",  
"uuid": "2fb5db90-d843-47c6-986b-fc24e5154d2d"
```

Authors - Top 5 Bar



This widget shows the five authors with the most number of violations in a bar graph.



This widget requires a DTP Enterprise license.

Contact your Parasoft representative for additional information.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Severity	Choose a severity level to display from the Severity drop-down menu.
Target Build	Choose a build from the drop-down menu. Only the data for this build will appear in the widget.

Actions

Click on a bar to open the Violations Explorer filtered by the selected author. See [Violations Explorer](#).

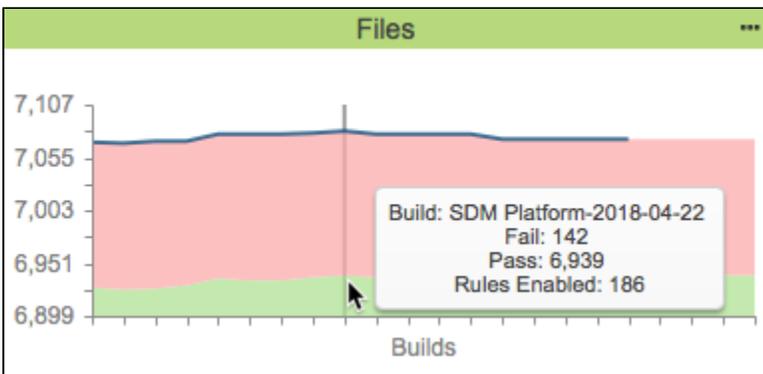
Click the more... link to view the Violations by Author report. See [Authors Report](#).

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "authors",
"type": "native",
"uuid": "aa4e8f70-e22e-4c7b-9b3b-b4b529af6aa0"
```

Files - Trend



This widget shows the number of files failed (files containing violations) and the number of files passed (files without violations) over time. The failed files are represented with a red area, while a green area represents the passed files. Gaps in the blue line indicate that relevant data is missing for those builds.



This widget requires a DTP Enterprise license.

Contact your Parasoft representative for additional information.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Period	Choose Dashboard Settings to use the dashboard date range or choose a period from the drop-down menu.

Actions

Mouse over an area to see the number of files failed and passed and to see how many rules were enabled.

Click on the chart to open Violations Trend report. See [Violations Trend Report](#).

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "files_trend",  
"type": "native",  
"uuid": "90da2a86-ca52-4f1f-85ef-72d81e5af759"
```

Modules - Top 5 Table

Modules		
Name	# of Violations	Change
com.parasoft.grs.rserver	93	-5
com.parasoft.pst.planning.usecases	29	0
com.parasoft.sdm.storage	11	-8
com.parasoft.grs.processors	11	0
com.parasoft.grs.bugscanner	11	0
more...		

This widget shows the five modules with the most violations for the specified project. It also shows the change in number of violations from the baseline build to the target build specified in the [Widget Configuration](#) settings. Table cells in the # of Violations and Change columns are also color-coded.

- Red cells: The number of violations/new violations exceeds the upper-bound threshold.
- Green cells: The number of violations/new violations is less than the lower-bound threshold.
- Yellow cells: The number of violations/new violations is less than the upper-bound threshold, but exceeds the lower-bound threshold.



This widget requires a DTP Enterprise license.

Contact your Parasoft representative for additional information.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Period	Choose Dashboard Settings to use the dashboard date range or choose a period from the drop-down menu.
Baseline Build	Choose a build from the drop-down menu to set the initial data for comparison.
Target Build	Choose a build from the drop-down menu to serve as the current data for comparison.
Severity	Choose a severity level to display from the Severity drop-down menu.
Violation Upper Bound	Enter a value to determine an unacceptable number of violations per module. Values higher than this number will be color coded red.
Violation Lower Bound	Enter a value to determine an acceptable number of violations per module. Values lower than this number will be color coded green.
Change Upper Bound	Enter a value to determine an unacceptable number of new violations per module. Values higher than this number will be color coded red.
Change Lower Bound	Enter a value to determine an acceptable number of new violations per module. Values lower than this number will be color coded green.

Actions

Click on a link in the Name column to open the Violations Explorer filtered by the selected module. See [Violations Explorer](#).

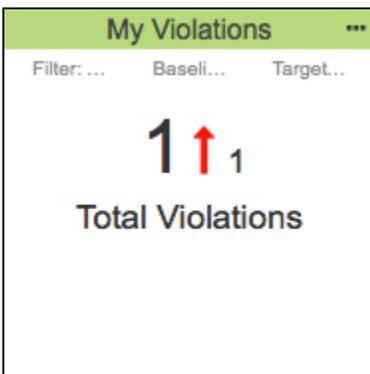
Click the more... link to view the Violations by Module report. See [Modules Report](#).

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "modules",
"type": "native",
"uuid": "3cdce929-da84-4279-a0af-90a133215120"
```

My Violations - Summary



This widget shows total number of violations, as well as the change in number of violations, assigned to the signed-in user. You can change the dashboard or widget date range settings filter to view the difference between current total and total at beginning of the specified period.



This widget requires a DTP Enterprise license.

Contact your Parasoft representative for additional information.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Period	Choose Dashboard Settings to use the dashboard date range or choose a period from the drop-down menu.
Baseline Build	Choose a build from the drop-down menu to set the initial data for comparison.
Target Build	Choose a build from the drop-down menu to serve as the current data for comparison.
Severity	Choose a severity level to display from the Severity drop-down menu.

Actions

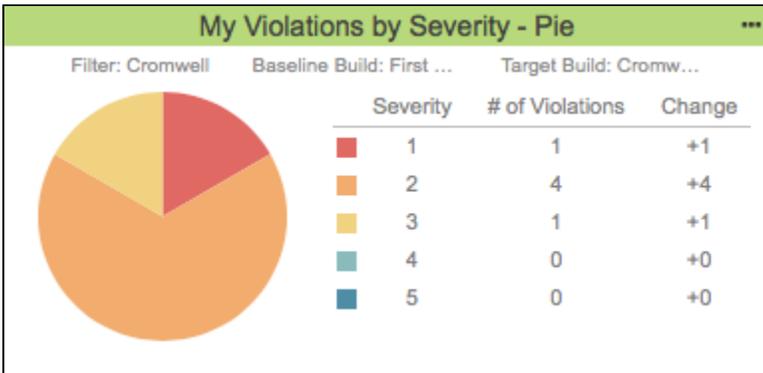
Click on a rule ID in the widget to open the violation Violations Explorer. See [Violations Explorer](#).

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "my_violations",  
"type": "native",  
"uuid": "659a8d10-9bd8-4da9-9e40-02a7440c5d81"
```

My Violations by Severity - Pie



This widget shows a pie chart of violations assigned to the signed-in user segmented by severity. The pie chart legend shows a count of violations by severity, as well as change in the number of violations during the date range specified in the widget settings.



This widget requires a DTP Enterprise license.

Contact your Parasoft representative for additional information.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Period	Choose Dashboard Settings to use the dashboard date range or choose a period from the drop-down menu.
Baseline Build	Choose a build from the drop-down menu to set the initial data for comparison.

Target Build

Choose a build from the drop-down menu to serve as the current data for comparison.

Actions

Click on a pie segment or a severity level in the legend to open the Violations Explorer filtered by the selected severity. See [Violations Explorer](#).

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "my_violations_by_severity_pie",
"type": "native",
"uuid": "21de9b86-1c35-457d-aa4e-4f65014a5a4c"
```

Portfolio - Violations Statistics

Portfolio - Violation Statistics						
Portfolio: CWE						
Filter	Violation Severities					Total
	1	2	3	4	5	
Totals	1.7K	1.3K	1.1K	239	198	4592
atm-cwe-3.1	648	283	219	1	0	1151
atm-cwe-top25	384	4	9	1	0	398
test-quartz-for-cwe3.1	72	292	187	43	3	597
test-quartz-for-cwe-top25	36	56	9	0	0	101
cwe-cusp-dotTEST	42	56	9	16	0	123
jtest_cwe	74	98	76	0	0	248
jtest_cwe	157	226	220	113	119	835
jtest_cwe	200	262	297	64	60	883
cwe-cusp-jtest	93	58	72	0	0	223
CWE Top 25 Cusp CPP	6	1	4	1	8	20

This widget shows the number of violations for each project filter in your portfolio. Refer to the [Configuring Portfolios](#) section for details about configuring portfolios in DTP.

The widget shows the total number of violations and number of violations per severity. You can also configure the widget to include a column that shows the build ID associated with the filter.

You can also configure thresholds for the number of acceptable violations and apply the threshold across severities. When the threshold is applied to a severity or range of severities, a Status column appears in the widget. The Status column indicates three possible states for the code in the filter:

- A gray question mark indicates that no static analysis information is available for the filter.
- A red "x" indicates that the number of violations for one or more severity exceeds the configured threshold.
- A yellow exclamation mark indicates that the filter contain violations, but they are within the configured threshold.
- A green checkmark indicates that the code contains no violations for any severity level.

Portfolio - Violation Statistics							
Portfolio: Test							
Filter	Status	Violation Severities					Total
		1	2	3	4	5	
Totals		34	88	169	10	4	305
Default Project	?	N/A	N/A	N/A	N/A	N/A	N/A
test-owasp-project	✖	29	4	134	0	4	171
atm-for-cert-c	⚠	5	15	35	0	0	55
atm-for-autosar	✓	0	69	0	10	0	79

See [Widget Configuration](#) for details.

If you are a member of a project associated with a filter in the portfolio, you will see an entry in the widget for that filter. See [Adding Teams to Projects](#) for additional information about team membership or [Permissions](#) for information about built-in user permissions in DTP.



This widget requires a DTP Enterprise license.

Contact your Parasoft representative for additional information.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Portfolio	Choose the name of the portfolio from the drop-down menu. See Configuring Portfolios for additional information.
Show Build Column	<p>Choose Yes from the drop-down menu to include the Build column in the widget. The Build column shows the most recent build ID add to the filter.</p> <p>Choose No to hide the Build column. If the Build column is not included, you can view the build ID by hovering your pointer over a filter in the Filter column.</p> <p>Refer to Build Administration for additional information about build IDs.</p>
Set violations for threshold severity	Specify the number of static analysis violations that are acceptable for each filter. The value applies to all severities configured in the Severities to apply to threshold setting and only takes effect if one or more severities are configured.
Violation threshold	<p>Choose the severities from the drop-down menu that the Violations for Severity Threshold should apply to. You can choose from the following options:</p> <ul style="list-style-type: none"> • 1: Threshold configured in the Violations for Severity Threshold setting will only apply to severity 1 violations. • 1-2: Threshold configured in the Violations for Severity Threshold setting will only apply to severity 1 and 2 violations. • 1-3: Threshold configured in the Violations for Severity Threshold setting will only apply to severity 1, 2, and 3 violations. • 1-4: Threshold configured in the Violations for Severity Threshold setting will only apply to severity 1, 2, 3, and 4 violations. • 1-5: Threshold configured in the Violations for Severity Threshold setting will only apply to all violations.

Actions

Click on a link to open the [Violations Explorer](#) view filtered by severity and project filter.

Click on a column header to sort the data.

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "Portfolio.Violation_Statistics",
"type": "native",
"uuid": "d1cb1fd4-ef18-419b-9260-65c9901ba858"
```

Resource Groups - Top 5 Table

Resource Groups		
Name	# of Violations	Change
everything	101	-1181
flowanalysis	75	75
nbank	10	10
junit	1	1
mock	1	1

A resource group is a collection of resources (i.e., files and/or folders). It is defined by a set of one or more Ant file patterns. This widget shows the five resource groups containing the most violations, as well as the number of changed files within each resource group.



This widget requires a DTP Enterprise license.

Contact your Parasoft representative for additional information.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Period	Choose Dashboard Settings to use the dashboard date range or choose a period from the drop-down menu.
Baseline Build	Choose a build from the drop-down menu to set the initial data for comparison.
Target Build	Choose a build from the drop-down menu to serve as the current data for comparison.
Severity	Choose a severity level from the drop-down menu.
Violation Upper Bound	Enter a value to determine an unacceptable number of violations per resource group. Values higher than this number will be color coded red.
Violation Lower Bound	Enter a value to determine an acceptable number of violations per resource group. Values lower than this number will be color coded green.
Change Upper Bound	Enter a value to determine an unacceptable number of new violations per resource group. Values higher than this number will be color coded red.
Change Lower Bound	Enter a value to determine an acceptable number of new violations per resource group. Values lower than this number will be color coded green.

Actions

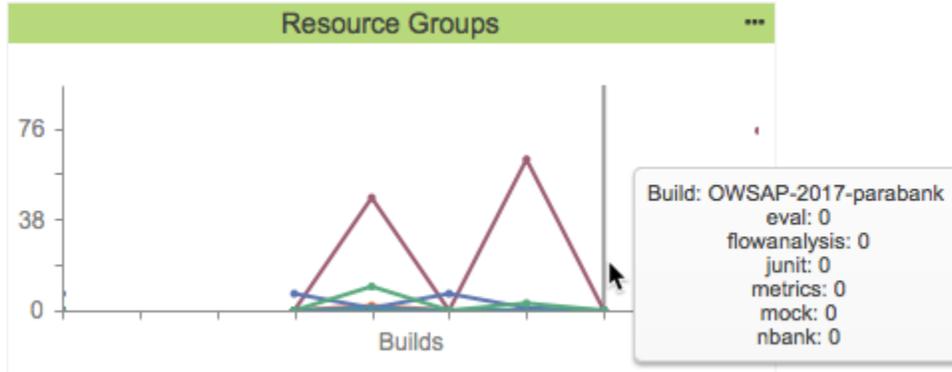
Click on a resource group name to open the [Violations Explorer](#) filtered according to the widget and/or dashboard settings. Click **more...** to open the [Resource Groups Report](#).

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "Resource_Groups",  
"type": "native",  
"uuid": "137410a7-f8a5-4aaf-81ed-83caa518c1e2"
```

Resource Groups - Trend



A resource group is a collection of resources (i.e., files and/or folders). It is defined by a set of one or more Ant file patterns. This widget shows the change in number of violations associated with a build per resource group over time. Each resource group associated with the current filter is represented as a colored line.

i This widget requires a DTP Enterprise license.
Contact your Parasoft representative for additional information.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Period	Choose Dashboard Settings to use the dashboard date range or choose a period from the drop-down menu.

Actions

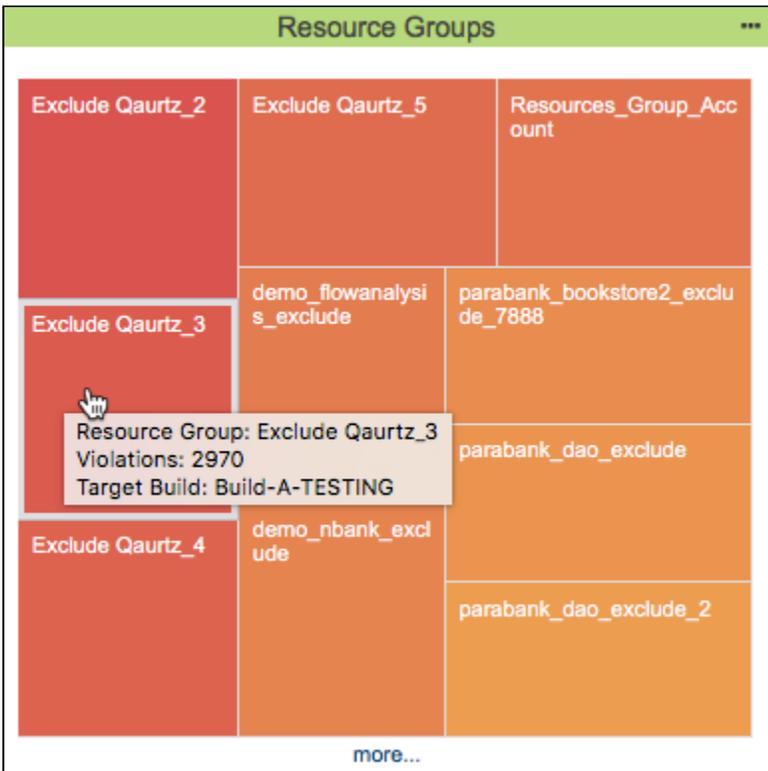
Click on the widget to open the [Resource Groups Report](#) filtered by build ID. Mouse over a node to view details about the resource groups.

Custom Dashboard Settings

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "Resource_Groups",  
"type": "native",  
"uuid": "9cd2cd4e-6a14-4050-93a6-ee0673078ed0"
```

Resource Groups - Top 10 Tree Map



A resource group is a collection of resources (i.e., files and/or folders). It is defined by a set of one or more Ant file patterns. This widget displays the 10 resource groups with the most violations in a tree map display. The largest tile with the deepest color represents the resource group with the most violations.

i This widget requires a DTP Enterprise license.
 Contact your Parasoft representative for additional information.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Period	Choose Dashboard Settings to use the dashboard date range or choose a period from the drop-down menu.
Target Build	Choose a build from the drop-down menu. Only the data for this build will appear in the widget.

Actions

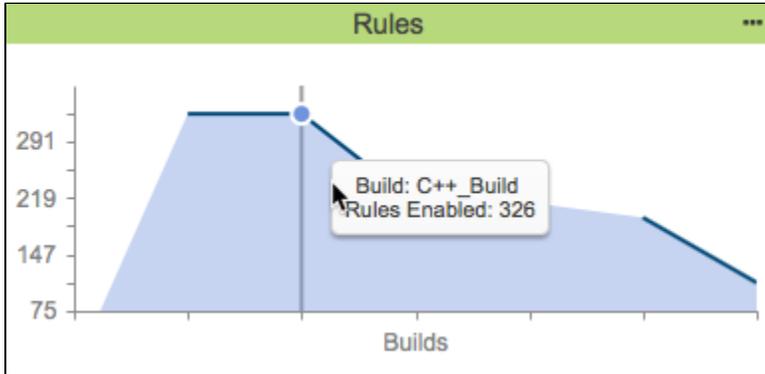
Click on a tile to open the [Violations Explorer](#) filtered according to the widget and/or dashboard settings. Click **more...** to open the [Resource Groups Report](#).

Custom Dashboard Settings

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "Resource_Groups",
"type": "native",
"uuid": "867f98d0-b239-4329-821a-bc89270dcad9"
```

Rules - Trend



This widget shows the number of static analysis rules enabled over time. Mouse over an area to see how many rules were enabled. The trend line will have a gap if a build does not have static analysis data



This widget requires a DTP Enterprise license.

Contact your Parasoft representative for additional information.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Period	Choose Dashboard Settings to use the dashboard date range or choose a period from the drop-down menu.

Actions

Click on the chart to open Violations Trend report. See [Violations Trend Report](#).

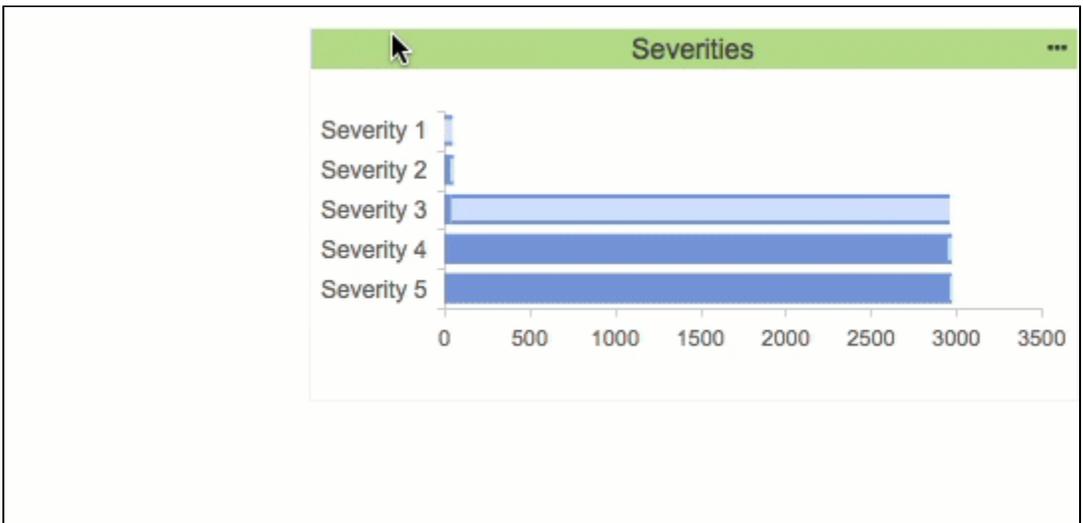
Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "rules",  
"type": "native",  
"uuid": "5b7a0937-d6df-4dd8-a317-240abfb4173"
```

Severities - Pyramid

This widget shows the cumulative number of violations across severity levels. Severity levels are listed along the y-axis. The x-axis shows the violation count. The light blue segment represents the number of violations reported for the current severity level in the y-axis. The dark blue segment represents the cumulative number violations beginning with the top-most severity level in the y-axis.



In the example above, the **Count** segment (light blue) for the Severity 1 row shows 43 violations. The **Count** segment for Severity 2 violations shows 3 violations. The **Aggregation of previous values** segment (dark blue) in the Severity 3 violations row includes the count of Severity 1 violations (43) and the count of Severity 2 violations (3) to show 46 violations.

The widget also reports 2911 Severity 3 violations. These violations are added to the 46 Severity 1 and 2 violations and shown in the **Aggregation of previous values** segment of the Severity 4 violations row for a total of 2957 violations. Finally, there are 13 Severity 4 violations, which are added to the **Aggregation of previous values** segment (Severity 1, 2, and 3: 2957 violations) and reported in the **Aggregation of previous values** segment in the Severity 5 violations row for a total of 2970 violations.



This widget requires a DTP Enterprise license.

Contact your Parasoft representative for additional information.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Target Build	Choose a build from the drop-down menu. Only the data for this build will appear in the widget.

Actions

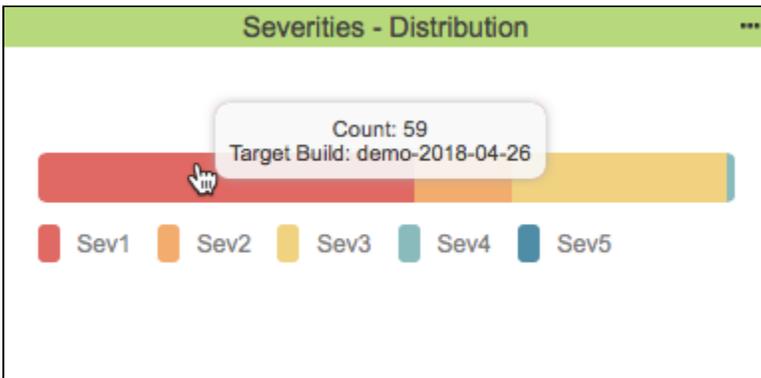
Click on a segment to open the Violations Explorer filtered by the severity. See [Violations Explorer](#).

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "severities",
"type": "native",
"uuid": "15281c38-874e-44a6-b150-d09bf5a39fcb"
```

Severities - Distribution



This widget shows how violations are distributed across the target build by severity. Mouse over a color-coded segment for a count of violations.

i This widget requires a DTP Enterprise license.
Contact your Parasoft representative for additional information.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Target Build	Choose a build from the drop-down menu. Only the data for this build will appear in the widget.

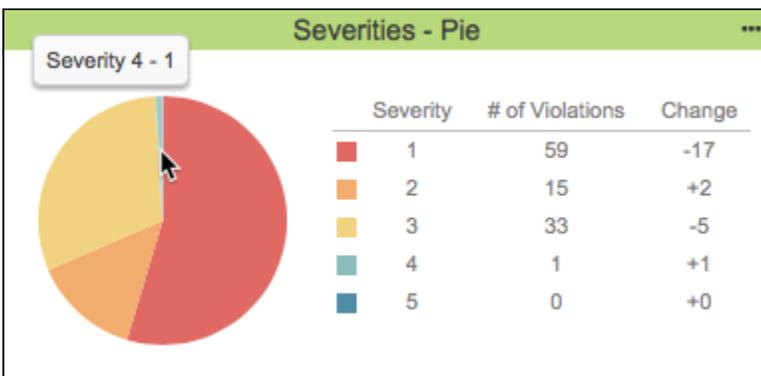
Actions

Click on a segment to open the Violations Explorer filtered by the selected severity. See [Violations Explorer](#).

Custom Dashboard Properties

This is a legacy widget and cannot be added to [Custom Dashboard Templates](#).

Severities - Pie



This widget shows a color-coded pie chart of violations segmented by severity. The chart legend shows the count of violations per severity, as well as change in the number of violations during the date range specified in the widget settings.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
--------------	---

Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Period	Choose Dashboard Settings to use the dashboard date range or choose a period from the drop-down menu.
Baseline Build	Choose a build from the drop-down menu to set the initial data for comparison.
Target Build	Choose a build from the drop-down menu to serve as the current data for comparison.

Actions

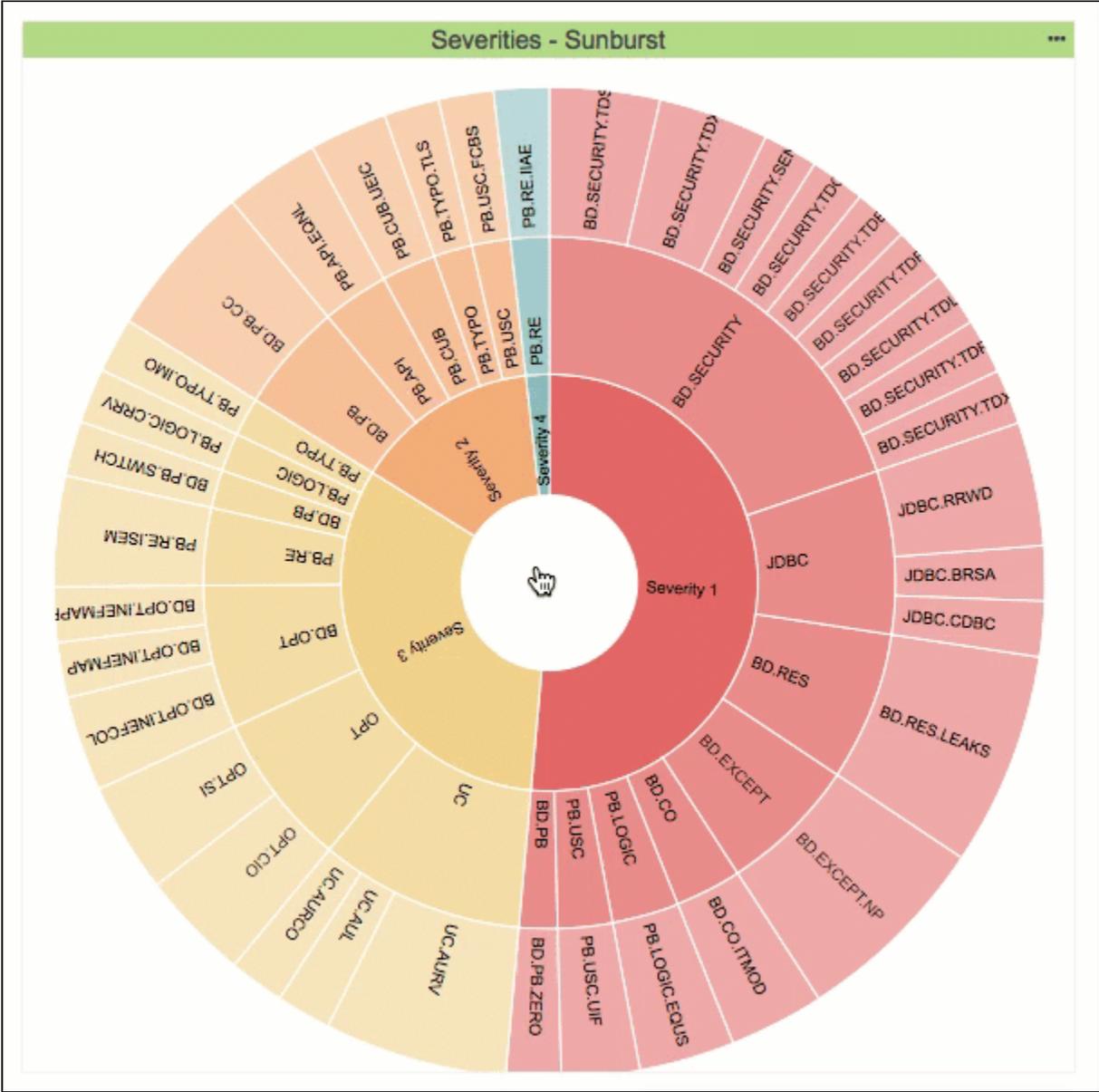
Click on a pie segment or a severity level in the legend to open the Violations Explorer filtered by the selected severity. See [Violations Explorer](#).

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "violations_by_severity_pie",  
"type": "native",  
"uuid": "4e83542c-d881-4aeb-9788-a882864be6c8"
```

Severities - Sunburst



This widget shows an interactive, multi-tiered graph of violations grouped by severity, rule category, and rule ID.

i This widget requires a DTP Enterprise license.
 Contact your Parasoft representative for additional information.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Target Build	Choose a build from the drop-down menu. Only the data for this build will appear in the widget.

Actions

The innermost ring represents severity. Click on a severity to show only the violations with the same severity level. Click the center of the sunburst to return to the previous view.

The second ring represents violation categories. Click on a category to show violations of all severity levels and rule IDs in the selected category. Click the center of the sunburst to return to the previous view.

The outermost ring shows violations grouped by rule ID. Click on an ID to open the Violations Explorer filtered by the selected rule. See [Violations Explorer](#).

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "severities_sunburst",
"type": "native",
"uuid": "5fd2f94a-1544-4756-a55e-c2526a3405b8"
```

Violations - Summary Trend



This widget shows the current number of violations or suppressions reported in the target build for a all or severities or a specific severity. It also shows the change from the baseline build. You can use multiple instances of the widget to provide an overarching view of the change in violations in your project.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Period	Choose Dashboard Settings to use the dashboard date range or choose a period from the drop-down menu.
Baseline Build	Choose a build from the drop-down menu to set the initial data for comparison.
Target Build	Choose a build from the drop-down menu to serve as the current data for comparison.
Severity	Choose a severity level from the drop-down menu.
Type	Choose Violations or Suppressions from the drop-down menu to show either violations or suppressed violations in the widget.

Actions

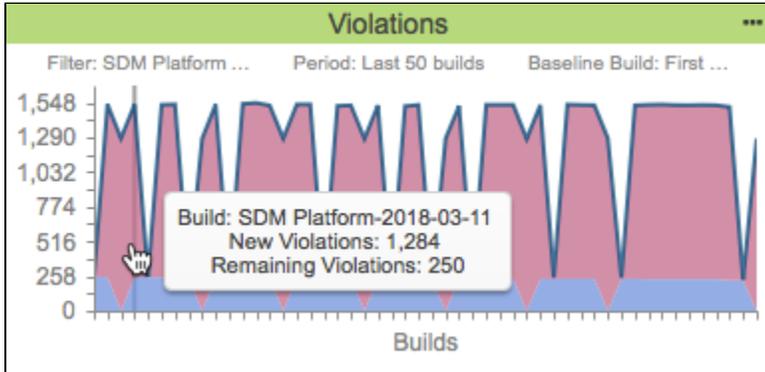
Click on the widget to open the Violations Explorer. See [Violations Explorer](#).

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "violations",
"type": "native",
"uuid": "62cb0f66-bbb5-4de3-910c-b70b2e6528a1"
```

Violations Trend



This widget shows the number of new and remaining violations over time. The red area represents the new violations reported in the build. The blue area represents the number of violations remaining from the previous build. If static analysis data was not reported for a build, a gap in the dark blue trend line will appear.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Period	Choose Dashboard Settings to use the dashboard date range or choose a period from the drop-down menu.
Baseline Build	Choose a build from the drop-down menu to set the beginning of the range of data you want to view.

Actions

Click on the chart to open Violations Trend report. See [Violations Trend Report](#).

Mouse over an area to see the number of new and remaining violations and how many rules were enabled.

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "violations",
"type": "native",
"uuid": "c82001e2-fe02-4a51-88e5-81704732dca6"
```

Violations - Changed - Statistics

Violations - Changed ☰	
New	108
Fixed	127
Existing	0
Total	108 ↓

This widget shows the number of changed violations (new, fixed, existing, and total) between a baseline and target build.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Period	Choose Dashboard Settings to use the dashboard date range or choose a period from the drop-down menu.
Baseline Build	Choose a build from the drop-down menu to set the initial data for comparison.
Target Build	Choose a build from the drop-down menu to serve as the current data for comparison.

Actions

Click on a segment of the widget to view the new, fixed, existing, or total changed violations in the [Violations Explorer](#).

Custom Dashboard Settings

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name" : "Violations_Changed",
"type" : "native",
"uuid" : "00c22f0e-8c18-11e6-ae22-56b6b6499611"
```

Violations per Assignee - Summary



This widget shows the average number of violations per assignee for all severities or for a specific severity reported for the target build. It also shows the change in violations since the baseline build. You can add multiple instances of the widget for greater visibility into each severity.

Widget Configuration

Title	Enter a new title to replace the default title that appears on the dashboard.
Filter	Choose Dashboard Settings to use the dashboard filter or choose a filter from the drop-down menu.
Period	Choose Dashboard Settings to use the dashboard date range or choose a period from the drop-down menu.
Baseline Build	Choose a build from the drop-down menu to set the initial data for comparison.
Target Build	Choose a build from the drop-down menu to serve as the current data for comparison.
Severity	Choose a severity level from the drop-down menu.

Actions

Click on the widget to open the Violations by Author report. See [Assignees Report](#).

Custom Dashboard Properties

You can add this widget to your custom dashboards by specifying the following properties in the dashboard definition JSON file (see [Custom Dashboard Templates](#) for details):

```
"name": "static_analysis.violations_per_assignee.summary",  
"type": "native ",  
"uuid": "f352662a-c64f-43cf-93e2-cae132e1cd1a"
```