

CAST Report Generator - Release Notes - 1.17

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Summary: this page describes the new features and bugs that have been fixed in CAST Report Generator 1.17.x.

Content matrix

Version	Summary of content
1.17.0	<ul style="list-style-type: none"> • Minor GUI updates • Updates for: <ul style="list-style-type: none"> • CUSTOM_EXPRESSION/S • METRIC_EVOLUTION • APPLICATION_METRIC

Compatibility matrix

This release of [Report Generator GUI](#) and for [Report Generator for Dashboards](#) functions with the following:

CAST RestAPI	1 . 1 2 .x	Mandatory
MIPS Reduction Index	2 0 2 0 0 5 18	<p>These extensions are required for Compliance Report generation. Depending on what "standard" you are targeting in your Compliance Report, you can install a combination of extensions:</p> <ul style="list-style-type: none"> • To generate Compliance Reports for MIPS standards, you MUST always install the MIPS Reduction Index extension. • To generate Compliance Reports for CISQ, OMG-ASCQM and OWASP standards, you can install either the CISQ, OMG-ASCQM and OWASP extensions or the Quality Standards Mapping extension. If both the CISQ, OMG-ASCQM and OWASP extensions and the Quality Standards Mapping extension are installed, data is automatically taken from the CISQ, OMG-ASCQM and OWASP extensions at all times.
CISQ Index	2 0 2 0 0 5 18	<div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> If you are using CAST AIP Console 1.14.0, the Quality Standards Mapping extension is installed with all new source code versions, however, you should ensure that the correct release of the extensions is used. </div>
OMG-ASCQM Index	2 0 2 0 0 5 18	

OWASP Index	2000518
Quality Standards Mapping extension	2000220
.NET Core SDK	3.1.x

Component documentation

- [Components documentation for Report Generator 1.17.0](#)
 - [Text components available for Report Generator 1.17.0](#)
 - [Graph components for Report Generator 1.17.0](#)
 - [Table components for Report Generator 1.17.0](#)
 - [Generic components in Report Generator 1.17.0](#)

1.17.0-funcrel

Resolved issues

Internal ID	Ticket ID	Description
REPORTGEN-945	-	Bookmark of Javascript minified not filtered - results in 180 lines / 3 pages bookmark display

Updates

Data configuration in GUI

It is no longer necessary to add the `/rest` suffix to the RestAPI URL when configuring access to the data in the GUI (see [Configuring access to the data](#)). Instead, if the `/rest` suffix is omitted, it will be added automatically by the GUI.

Auto-check for new update in GUI

During CAST Report Generator start-up, a check is made to see whether the **current release of CAST Report Generator is the most recent**. If a newer release is available, a link to CAST Extend will be provided in the Messages panel, allowing you to download the new update. If CAST Extend is not accessible, this will be logged in the Messages panel.

GUI About dialog box improvements

The **About dialog box** (available in the main menu > About) has been improved to include the following information:

- Information about whether the current release is the up-to-date or not and with a link to CAST Extend if not.
- A link to the Release Notes documentation.

Misc. component updates

When using any of the following components:

- Text components:
 - CUSTOM_EXPRESSION
- Table components:
 - GENERIC_TABLE (when using the CUSTOM_EXPRESSIONS axis)

- Graph components:
 - `GENERIC_GRAPH` (when using the `CUSTOM_EXPRESSIONS` axis)

... the `PARAMS` configuration can now contain IDs for categories of distribution (e.g. 65504 for high complexity artifacts). Any sizing ID can be used - `SZ` for sizing measure, `QR` for quality rule or `BF` for background fact). For example, in the following configuration, the `SZ` parameters `c` and `d` have been configured with **65101** (small size artifacts) and **65102** (average size artifacts):

```
TABLE;GENERIC_TABLE;COL1=CUSTOM_EXPRESSIONS,ROW1=MODULES,SNAPSHOTS=CURRENT,CUSTOM_EXPRESSIONS=(a+b)/2|c/d,
PARAMS=QR a QR b SZ c SZ d,a=60013,b=60014,c=65101,d=65102,MODULES=ALL
```



In this release, these changes only function at **Application level**, not at Portfolio level (the categories are not currently available). If you configure them at Portfolio level (using equivalent `PF_` components, results will always be 0 or No Data Found.

Text component updates

METRIC_EVOLUTION

New options added, see [Text components available for Report Generator 1.17.0](#):

- `PARAMS=SZ a SZ b`, (`SZ` for sizing measure or category, `QR` for quality rule, `BF` for background fact)
- `EXPR=a/b`, (operators can be `+`, `-`, `*`, `/`, `(,)`)
 - `a=MetricId`, (sample 67011 – all critical violations)
 - `b=MetricId`, (sample 10202 – Total AFP)

APPLICATION_METRIC

New options added, see [Text components available for Report Generator 1.17.0](#):

- (N0 no decimal, N2 for decimal)
- `MODULE=name` of the module for which you want the metric evolution (optional)
- `TECHNO=name` of the technology for which you want the metric evolution (optional)
- `PARAMS=SZ a SZ b`, (`SZ` for sizing measure or category, `QR` for quality rule, `BF` for background fact)
- `EXPR=a/b`, (operators can be `+`, `-`, `*`, `/`, `(,)`)
- `a=MetricId`, (sample 67011 - all critical violations)
- `b=MetricId`, (sample 10202 - Total AFP)

When specifying a custom expression, either an ID or `PARAMS + EXPR` should be specified. If no module and no technology are specified, the value for the Application is taken.