

CAST Report Generator - Release Notes - 1.12.x

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 **Summary:** this page describes the new features and bugs that have been fixed in the CAST Report Generator 1.12.x.

Content matrix

Version	Summary of content	Comments
1.12.0	<ul style="list-style-type: none">• Template reorganization• New templates for quality standards• New and updated template components.	Can be used with: <ul style="list-style-type: none">• CAST-RESTAPI 1.12.x

Component documentation

- [Components documentation for Report Generator 1.12.0](#)
 - [Text components available for Report Generator 1.12.0](#)
 - [Graph components for Report Generator 1.12.0](#)
 - [Table components for Report Generator 1.12.0](#)
 - [Generic components in Report Generator 1.12.0](#)

Resolved issues

No customer bugs reported for fix in this release.

Template updates

 See also [Components documentation for Report Generator 1.12.0](#) for more information about template changes.

New templates

 All new templates require [Quality Standards Mapping](#) extension v. 20190916, and [CAST-RESTAPI 1.12.0](#).

- [CWE \(2019\) Top 25 Compliance Report.docx](#)
- [CWE Compliance Report.docx \(Contains latest CWE_LATEST_VERSION\)](#)
- [OMG-ASCQM Compliance Report.docx](#)
- [OMG-ASCQM Security Compliance Report.docx](#)
- [OWASP-Mobile-2016 Compliance Report.docx](#)

Removed templates

The following templates have been removed in 1.12.0:

- CISQ - Top 22 - Summary.docx
- CISQ Compliance Report.docx
- CWE - Top 25 - Summary.docx
- NIST-SP800-53R4-Summary Report.docx
- PCI-DSS-V3.1-Summary Report.docx
- STIG V4R8 Standards- Summary Report.docx
- STIG V4R8 Standards-DetailedReport.docx

Renamed templates

The following templates have been renamed:

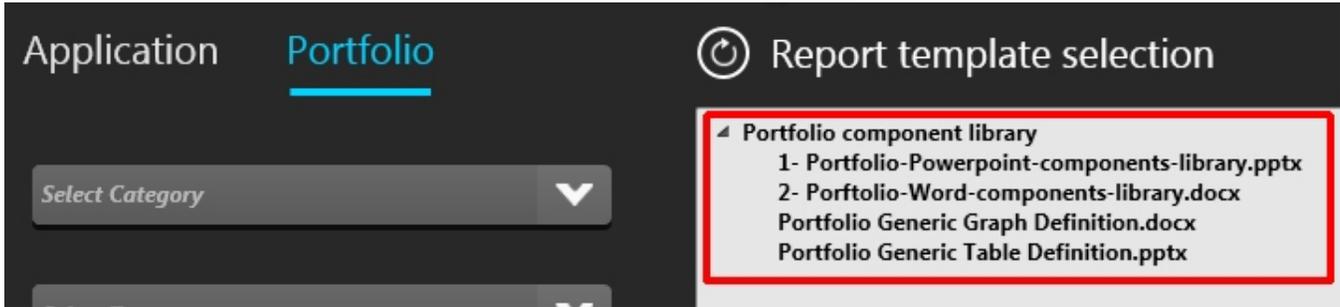
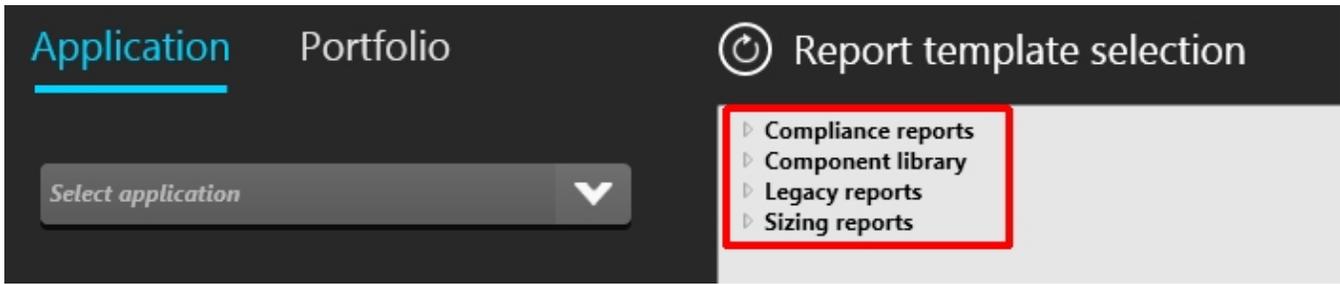
Previous name	Name in 1.12.0	Notes
CISQ Compliance Report v2.docx	CISQ Compliance Report.docx	-
CWE Compliance Report.docx	CWE (2011) Top 25 Compliance Report.docx	Requires Quality Standards Mapping extension v. 20190916, and CAST-RESTAPI 1.12.0.
OWASP-2013-Top10 - Summary.docx	OWASP-2013 Compliance Report.docx	-
OWASP-2017-Top10 - Summary.docx	OWASP-2017 Compliance Report.docx	-
OWASP-2013-Top10 - Detailed.docx	OWASP-2013 Detailed Report.docx	-
OWASP-2017-Top10 - Detailed.docx	OWASP-2017 Detailed Report.docx	-
STIG V4R8 Standards Compliance Report.docx	STIG V4R8 Compliance Report.docx	Updated with new components.
STIG V4R8 Standards Detailed Report.docx	STIG V4R8 Detailed Report.docx	Updated with new components.

Template re-organization

Templates provided with Report Generator have been re-organized and categorized so that it is easier to find the required template. Templates are stored in the same location (%PROGRAMDATA%\CAST\ReportGenerator\<version>\Templates) as in previous releases, but the folder structure has changed as follows:

Templates
zh-CN
Application
Legacy reports
Component library
Compliance reports
Sizing reports
Portfolio
Portfolio component library
Application
Legacy reports
Component library
Compliance reports
Sizing reports
Portfolio
Portfolio component library

This change is also reflected in the GUI:



i Note that templates are taken from `%PROGRAMDATA%\CAST\ReportGenerator\<<version>\Templates\zh_CN...` when Chinese (Simplified, PRC) is selected in **Settings > Language** in the GUI.

Adding custom templates

As in previous releases of Report Generator, you can add your own **custom templates** to the default storage location (see [CAST Report Generator - Templates and output options](#)) however, you must ensure that these are **stored in any of the following locations** so that they can be found by Report Generator:

Any default or custom folder/subfolder of:

```
%PROGRAMDATA%\CAST\ReportGenerator\<<version>\Templates\Application
%PROGRAMDATA%\CAST\ReportGenerator\<<version>\Templates\Portfolio
%PROGRAMDATA%\CAST\ReportGenerator\<<version>\Templates\zh_CN\Application
%PROGRAMDATA%\CAST\ReportGenerator\<<version>\Templates\zh_CN\Portfolio
```

If you update the location where templates are stored (see [CAST Report Generator - Templates and output options](#)), please ensure that you store the templates in a folder hierarchy starting with **Application** or **Portfolio** - if not, the Report Generator will not be able to find the custom templates. For example, if the new template storage location is set to:

```
D:\CAST\Templates
```

Then you should ensure that you create a folder hierarchy starting with **Application** or **Portfolio**. Templates can then be stored in any subsequent folder/subfolder, for example:

```
D:\CAST\Templates\Application\My Compliance Templates
D:\CAST\Templates\Portfolio\My Other templates
D:\CAST\Templates\zh_CN\Application
D:\CAST\Templates\zh_CN\Portfolio
```

New components for templates

LIST_TAGS_DOC_BYCAT - new table component

This new table component displays a list of quality tags "applicability" by quality standard category. See [Table components for Report Generator 1.12.0](#) for full details of the component. For example:

Standard Quality Tag	Definition	Applicability
STIG-V-69279	Messages protected with WS_Security must use time stamps with creation and expiration times.	Not applicable
STIG-V-69281	Validity periods must be verified on all application messages using WS-Security or SAML assertions.	Not applicable
STIG-V-69287	The application must use the NotOnOrAfter condition when using the SubjectConfirmation element in a SAML assertion.	Not applicable
STIG-V-69289	The application must use both the NotBefore and NotOnOrAfter elements or OneTimeUse element when using the Conditions element in a SAML assertion.	Not applicable
STIG-V-69329	The application must enforce approved authorizations for logical access to information and system resources in accordance with applicable access control policies.	Applicable

CUSTOM_EXPRESSIONS

 Note that CUSTOM_EXPRESSIONS currently only function when the language is set to **English** or **Chinese** in the GUI using [Settings > Language](#). Selecting a different language will cause the table to display empty.

CUSTOM_EXPRESSIONS have been added for various components types based on axis:

- **Generic**
 - TABLE
 - GENERIC_TABLE
- **Table**
 - GENERIC_TABLE
 - PF_GENERIC_TABLE
- **Graph**
 - GENERIC_GRAPH
 - PF_GENERIC_GRAPH

Configuration:

- CUSTOM_EXPRESSIONS=a/b|c/d=a/b|(c+d)/2, (operators can be +, -, *, /, (,), list of custom expressions separated by |
- PARAMS=SZ a SZ b QR c QR d, (SZ for sizing measure, QR for quality rule, BF for background fact)
- a=MetricId, (sample 67211 – all violations)
- b=MetricId, (sample 10151 – number of code lines)
- c = MetricId, 60013 for Robustness
- d = MetricId, 60014 for Efficiency
- FORMAT=N0 | N2 (N2 by default, if nothing or erroneous format is set), the first format is associated to the first custom expression, etc.

For example, a table to monitor custom expressions. The following configuration will give for each module the average grade of two business criteria and a ratio between sizing metrics:

```
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=67211,d=10151,MODULES=ALL
```

Modules	(a+b)/2	c/d
aip-backup-services_b75262a6/cmsapi/main_sources content	3.40	0.62
aip-central-dto_602e2fa9/cmsapi/main_sources content	3.82	1.02
aip-central-services_b37e7c84/cmsapi/main_sources content	3.27	0.64
aip-console-app_c94043b/cmsapi/main_sources content	3.22	0.64
aip-console-dto_75185a3/cmsapi/main_sources content	3.80	0.75
aip-console-services_ae094f49/cmsapi/main_sources content	3.08	0.72

Changes to existing components for templates

TOP_COMPONENTS_BY_PROPERTIES - table component update

Four new parameters have been added to this table component:

- LOWER1=value : result or prop1 should be lower than value
- LOWER2=value : result or prop2 should be lower than value
- GREATER1=value : result or prop1 should be greater than value
- GREATER2=value : result or prop2 should be greater than value

When using LOWER and GREATER parameters, the ORDER parameter can be overridden to get the most accurate components corresponding to the request.

As the filter can only be executed after requesting data from the RestAPI, the list may be truncated. So using the option NBSET defines the number of objects returned from the RestAPI before the filtering and the limitation of display (COUNT) is set to 500 by default, to avoid long response times.