

Report Generation configuration

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i **Summary:** This page explains how to configure Report Generation used in the [Engineering Dashboard](#).

Introduction

The Report Generation feature allows you to generate reports on the fly direct from the CAST Engineering Dashboard interface. Various reports can be generated, however, some require some **configuration** before they will work. See [Engineering Dashboard - Report Generation](#) for more information.

Standard Compliance Reports configuration



These reports are based on templates provided with [CAST Report Generator](#) and therefore [CAST Report Generator for Dashboards \(v. 1.9.0\)](#) must be present on the **server running Apache Tomcat** hosting your **Engineering Dashboard** or the **CAST-RESTAPI-integrated.war** file (if using the **dashboard s embedded in AIP Console**) in order for the reports to function. In addition the **report.properties** file in your deployed Dashboard must be modified.

See [CAST Report Generator - CAST Report Generator for Dashboards](#) for more detailed instructions about the configuration process.

Custom Reports configuration

! When using the Engineering Dashboard embedded in AIP Console, these reports cannot be configured.



To enable and define the reports for the category, edit the following file:

```
WAR 1.x
CATALINA_HOME\webapps\
```

Find the following configuration section:

```
{
  "id": "custom",
  "label": "Custom Reports",
  "reportTemplates": []
}
```

Adding custom reports

To add your report for a custom template called **Executive summary PPT.pptx**, **AEP Sample Report.xlsx** and **My Custom Template 2019.docx** change it as follows. Save the file and restart the host Apache Tomcat server for the changes to be applied:

```
{
  "id": "custom",
  "label": "Custom Reports",
  "reportTemplates": [
    {
      "templateLabel": "Executive summary PPT",
      "templateId": "Executive+summary+PPT",
      "fileType": "pptx"
    },
    {
      "templateLabel": "AEP Sample Report",
      "templateId": "AEP+Sample+Report",
      "fileType": "xlsx"
    },
    {
      "templateLabel": "My Custom Template 2019",
      "templateId": "My+Custom+Template+2019",
      "fileType": "docx"
    }
  ]
}
```

The template will then be available for generation:

Report Category	Custom Reports ▼	Report Type	My Custom Template ...	GENERATE REPORT
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- Custom templates should be available in the Templates folder within the **CAST Report Generator for Dashboards deployment folder**, for example: **ReportGeneratorCLforAIOS\Templates**.
- **templateLabel** is a free text, this is used in the drop down list in the dashboard.
- **templateId** should be the file name of the custom template name without the file extension and "+" signs in place of white space. For example, if your custom template name is **My Custom Template.docx** the **templateId** should be configured as "**templateId**": "**My+Custom+Template+2019**".

Adding custom report categories

i Note that custom report categories are available in version 1.11.0.

Multiple Custom Report **categories can be added**, alongside the existing default "Custom Report" category. These custom categories can then be populated with custom reports in exactly the same way as the default "Custom Reports" category (see [Adding custom reports](#)):



To add a custom report category, edit the following file:

```
WAR 1.x
CATALINA_HOME\webapps\<dashboard>\engineering\resources\ed.json

WAR 2.x
CATALINA_HOME\webapps\<dashboard>\WEB-INF\classes\config\ed\ed.json

ZIP 2.x
<unpacked_zip>\configurations\config\ed\ed.json
```

Find the following configuration section:

```
{
  "id": "custom",
  "label": "Custom Reports",
  "reportTemplates": []
}
```

First add a comma immediately at the end of the preceding section:

```
{
  "id": "custom",
  "label": "Custom Reports",
  "reportTemplates": []
},
```

Now add a new section for your category and give it a unique "label" (example shown below). Populate it with your custom templates - the custom report category and custom templates will then be available for generation.

```

{
  "id": "custom",
  "label": "Custom Reports",
  "reportTemplates": []
},
{
  "id": "CustomReport",
  "label": "Custom Reports_Category1",
  "reportTemplates": [
    {
      "templateLabel": "Custom report type1",
      "templateId": "CISQ++custom-+Summary",
      "fileType": "docx"
    },
    {
      "templateLabel": "Custom report type2",
      "templateId": "OWASP++custom-+Summary",
      "fileType": "docx"
    }
  ]
}

```

Configure number of concurrent processes and timeout

Two options are available in the `report.properties` file to manage:

- the number of **concurrent Report Generator processes** that are authorized to query the RestAPI
- the **timeout** that will cause Report Generator processes to be killed

To view and edit these options, edit following file with a text editor:

```

WAR 1.x
WEB-INF\report.properties

WAR 2.x
WEB-INF\classes\application.properties

ZIP 2.x
<unpacked_zip>\configurations\application.properties

```

Find the following options and modify as required:

```

# Set the maximum number of concurrent Report Generator processes to limit the CPU and memory consumption
report.maxConcurrentProcesses=4

# set a delay to determine never ending ReportGenerator processing
# After this delay the Report Generator process will be killed
# 600 = 10 minutes
report.maxDelayInSeconds=600

```

Save the file to update the changes and then restart the host application server or the application.