

Configuring export of AEP and EFP data from Health Dashboard to Microsoft Excel or CSV using a standalone Health Dashboard

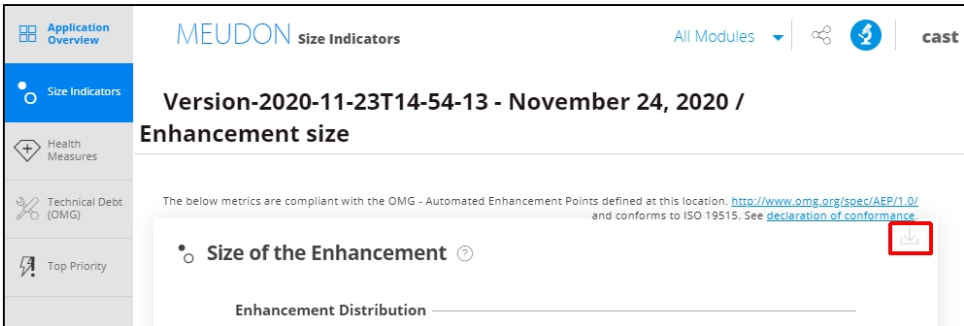
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i Summary: Instructions for configuring your standalone Health Dashboard to allow export of a detailed breakdown of the AEP/EFP automated function point (AFP) data to Excel/CSV. Note that this configuration change is ONLY applicable when using the **standalone Health war file** (see [Standalone Health Dashboard deployment](#)) - when using the **combined Health/Engineering war file**, the export to Microsoft Excel /CSV icons are visible out of the box.

Introduction

The export to Microsoft Excel/CSV icons (as shown below) are NOT active (they are greyed out) by default in an "out of the box" Health Dashboard setup when using the **standalone Health war file** (see [Standalone Health Dashboard deployment](#)). This is because the information resides in the **Dashboard schema (central)** and not the **Measure schema used by the Health Dashboard**. In a combined Health and Engineering Dashboard, the dashboard schema is referenced in the **connection property files** for the dashboard, so the Health Dashboard already knows where the information is located. To enable these export icons in a **standalone Health war file**, a configuration change must be made to the Health Dashboard to inform the dashboard where the information is located. This page explains how to make this change.

Options greyed out:



The screenshot shows the MEUDON Health Dashboard interface. On the left, there is a sidebar with 'AEP mode (default)' and a list of navigation items: 'Application Overview', 'Size Indicators', 'Health Measures', 'Technical Debt (OMG)', and 'Top Priority'. The main content area displays 'MEUDON Size Indicators' with a date 'Version-2020-11-23T14-54-13 - November 24, 2020 / Enhancement size'. Below this, there is a text block stating: 'The below metrics are compliant with the OMG - Automated Enhancement Points defined at this location. <http://www.omg.org/spec/AEP/1.0/> and conforms to ISO 19515. See [declaration of conformance](#)'. A red box highlights the 'Size of the Enhancement' metric, and another red box highlights the download icon (a downward arrow) next to it.

EFP mode (legacy)

SEVRES Size Indicators

All Modules ▾

○
Size Indicators

Version-2020-11-24T14-59-44 - November 24, 2020 / Enhancement size

Current snapshot EFP details

➔
Export results

Added EFP

100.0 %

87 added

Modified EFP

0.0 %

0 modified

SEVRES Size Indicators

All Modules ▾

cast

○
Size Indicators

Version-2020-11-24T14-59-44 - November 24, 2020 / Functional size

Function Points Information

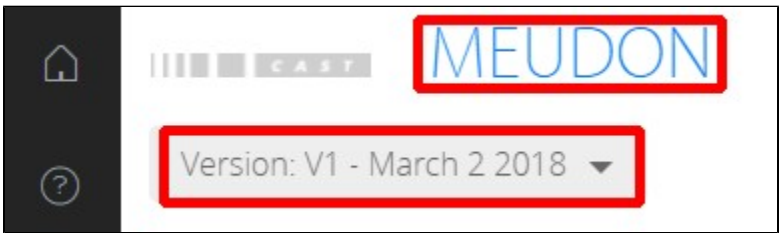
NAME ▾	VALUE ▾
Backfired Function Points	54
OMG-Compliant Automated Function Points	87
Unadjusted Data Functions	67
Unadjusted Transactional Functions	20

Activating the export icons

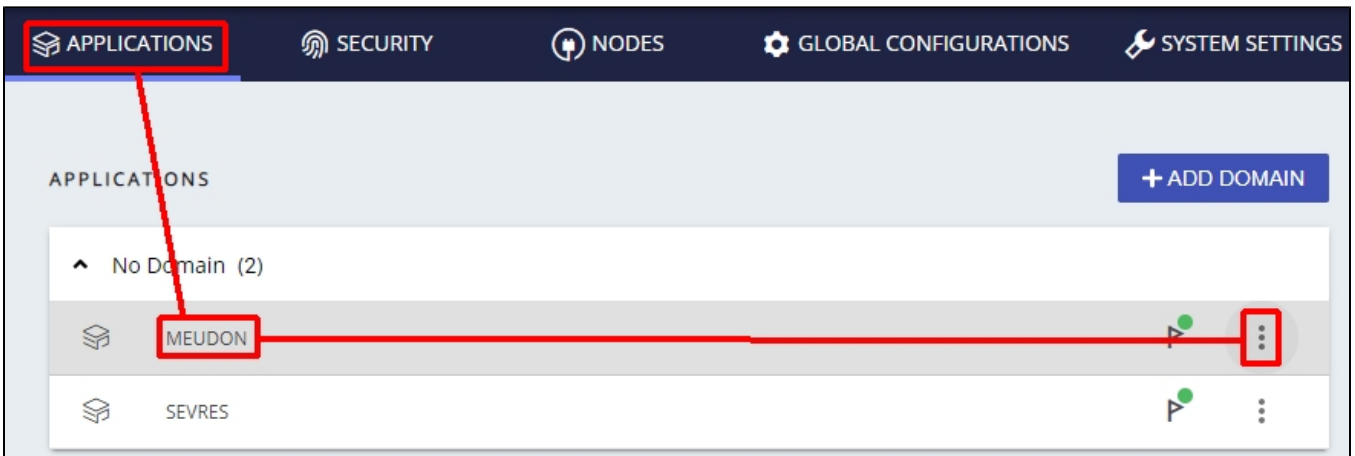
To enable the icons when using the **standalone Health war file** a CAST Administrator needs to make a configuration change as follows:

Determine the Dashboard schema name

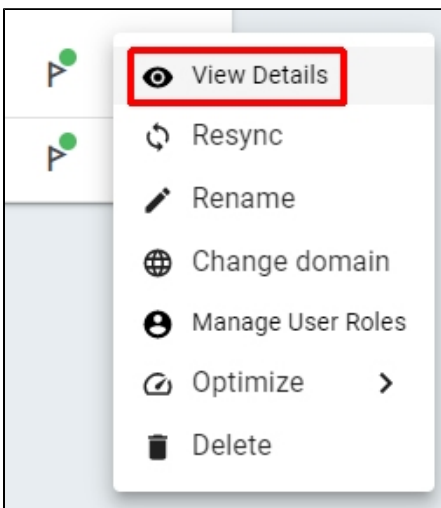
First determine which **Dashboard schema** the snapshot containing the relevant Application has been generated in. You can do so by first looking at the **Application** and **Snapshot** name in the Health Dashboard:



Open **AIP Console** and browse to the **Admin Center** (a user with the ADMIN role is required). Ensure you have selected the **Applications tab**, find your Application in the list and then click the hamburger options menu:



Choose the **View Details** option



Expand the **Database Schemas** section and note the name of the "central base":

APPLICATION DETAILS

Backups

Database Schemas

Type	Name
Management Base	uuid_55800ce6_03f7_49d0_971c_eb6f18ff2c94_mngt
Central Base	uuid_55800ce6_03f7_49d0_971c_eb6f18ff2c94_central
Local Base	uuid_55800ce6_03f7_49d0_971c_eb6f18ff2c94_local



This information is also located in CAST Management Studio in the **Execution** tab of the **Application editor** - the Dashboard Service is highlighted below:

MEUDON

User Input Security | Architecture Models | Modules | Function Points | Execute | Notes

Lists all options for the current application related to production: analysis, snapshot generation etc.

Take a snapshot of the application... | Prepare Snapshot | Open AED...

Upload Snapshots to Measurement Service

Analysis

Analysis Service | Services / AMLWCH:2280 on CastStorageService / v832_1536_local | Change...

Run Analysis only... | Test Analysis | Drop Analysis results | Review Dynamic Links

View execution unit...

Reports and Logs

Snapshot

Dashboard Services

Dashboard Service	Name
v832_1536_central	My System

Snapshots

Capture Date	Name	Version	Dashboard Service
02/03/18	Computed on 2018030113...	V1	v832_1536_central
23/02/18	Computed on 2018030112...	V1	v832_1536_central

Configure connection properties

WAR 1.x

When you have the name of the Dashboard schema that stores the required information, open the following file with a text editor:

```
CATALINA_HOME\webapps\CAST-Health\META-INF\context.xml
```

You now need to add an **additional resource** which points to the **Dashboard schema** you identified above. The following example shows the resource pointing to the Measurement schema (as defined as part of the initial configuration of the Health Dashboard - see [Standalone Health Dashboard deployment](#)) and a second resource pointing to the Dashboard schema:

```
<Resource name="jdbc/domains/AAD" url="jdbc:postgresql://192.168.200.104:2282/postgres"
  initConnectionSqls="SET search_path TO general_measure;"
  username="operator" password="CastAIP"

  auth="Container" type="javax.sql.DataSource" driverClassName="org.postgresql.Driver"
  validationQuery="select 1"
  initialSize="5" maxActive="20" maxIdle="10" maxWait="-1"/>

<Resource name="jdbc/domains/uuid_55800ce6_03f7_49d0_971c_eb6f18ff2c94_central" url="jdbc:
postgresql://192.168.200.104:2282/postgres"
  initConnectionSqls="SET search_path TO
uuid_55800ce6_03f7_49d0_971c_eb6f18ff2c94_central;"
  username="operator" password="CastAIP"

  auth="Container" type="javax.sql.DataSource" driverClassName="org.postgresql.Driver"
  validationQuery="select 1"
  initialSize="5" maxActive="20" maxIdle="10" maxWait="-1"/>
```

Please ensure that you:

- Define a unique "name" (unique within the file). In the above example, we have used `jdbc/domains/uuid_55800ce6_03f7_49d0_971c_eb6f18ff2c94_central`- this is different to the default "name" provided by CAST: `jdbc/domains/AAD` and reuses the name of the Dashboard schema (note that you can use any name you like but please retain the `jdbc/domains/` part).
- Define a "url" that points to the CAST Storage Service/PostgreSQL instance on which the Dashboard schema is installed. In most situations, this will be identical to the "url" used for the Measurement schema
- Define a "initConnectionSqls" that references the name of the CAST AIP schema used for the Dashboard Service: `initConnectionSqls="SET search_path TO uuid_55800ce6_03f7_49d0_971c_eb6f18ff2c94_central;"` in the example above.
- Check that the "username" and "password" entries are correct.
- Following any changes you make, **save the context.xml file** and then **restart** your application server so that the changes are taken into account.
- Now when you access the relevant pages, the export icons will be visible.

WAR/ZIP 2.x

When you have the name of the Dashboard schema that stores the required information, you need to modify two files:

Modify application.properties

This file is located here:

```
WAR 2.x
CATALINA_HOME\webapps\<deployed_war>\WEB-INF\classes\application.properties

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

Find the following section in the file:

```

## DATASOURCE
# Resource1 is the datasource name used in domains.properties
# Adapt server name (localhost) and port (2282) if required
# You can add multiple datasources if you want to connect to multiple CSS Servers. Datasource name must be
unique
# You have to configure your domains names and relative schema names in domains.properties
restapi.datasource[0].url=jdbc:postgresql://192.168.200.104:2282/postgres
restapi.datasource[0].username=operator
restapi.datasource[0].password=CastAIP
restapi.datasource[0].poolname=Resource1
restapi.datasource[0].minimumIdle=10
restapi.datasource[0].maximumPoolSize=20

```

If the **Dashboard schema** you identified above is already hosted on the CAST Storage Service/PostgreSQL instance listed in the section, there is nothing further to do with this file. However, if the **Dashboard schema** you identified above is hosted on a different CAST Storage Service/PostgreSQL instance, add the new server in. For example:

- Ensure that you modify the url, username, password and resource entries to match your target CAST Storage Service/PostgreSQL. In particular, the resource entry must be unique within the **application.properties** file.
- The [0] must also be incremented for additional CAST Storage Service/PostgreSQL instances, for example, use restapi.datasource[1].

```

## DATASOURCE
# Resource1 is the datasource name used in domains.properties
# Adapt server name (localhost) and port (2282) if required
# You can add multiple datasources if you want to connect to multiple CSS Servers. Datasource name must be
unique
# You have to configure your domains names and relative schema names in domains.properties
restapi.datasource[0].url=jdbc:postgresql://192.168.200.104:2282/postgres
restapi.datasource[0].username=operator
restapi.datasource[0].password=CastAIP
restapi.datasource[0].poolname=Resource1
restapi.datasource[0].minimumIdle=10
restapi.datasource[0].maximumPoolSize=20

restapi.datasource[1].url=jdbc:postgresql://192.168.200.105:2282/postgres
restapi.datasource[1].username=operator
restapi.datasource[1].password=CastAIP
restapi.datasource[1].poolname=Resource2
restapi.datasource[0].minimumIdle=10
restapi.datasource[0].maximumPoolSize=20

```

Save the file before proceeding.

Modify domains.properties

```

WAR 2.x
CATALINA_HOME\webapps\

```

Add a new line to the file that specifies the **Resource2** added in **application.properties** specific to "AED1" and the **Dashboard schema** you identified above, ensuring that there are no empty lines:

```

# Domains for HD
# empty lines in this file lead to connection error, remove all empty lines
# - AAD domain is mandatory for the portal
# - You can only connect one measure schema and domain must be "AAD"
# - You have to align [Resource1] with the resource name configured in application.properties
# - You have to replace [Measure Schema] by your measure schema name you want to connect
# AAD=Resource1,[Measure Schema]
AAD=Resource1,my_measure
AED1=Resource2,my_dashboard_schema

```

Save the file and then restart the web application. Now when you access the relevant pages, the export icons will be visible.