

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

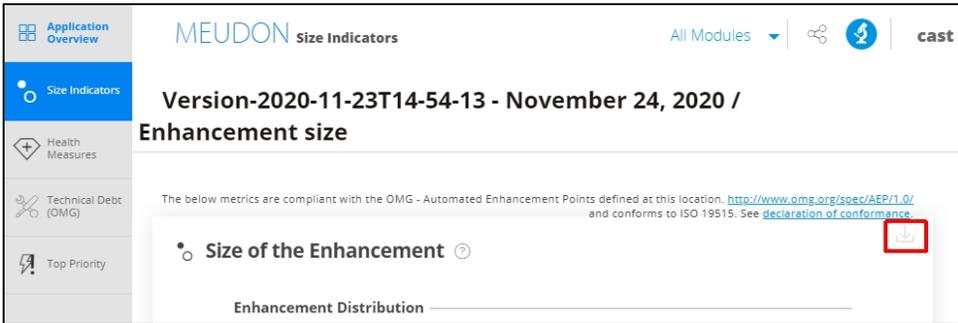
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i Summary: Instructions for configuring your standalone Health Dashboard to allow export of a detailed breakdown of the AEP/EFP automated function point (AFP) data to Excel/CSV. Note that this configuration change is ONLY applicable when using the **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.

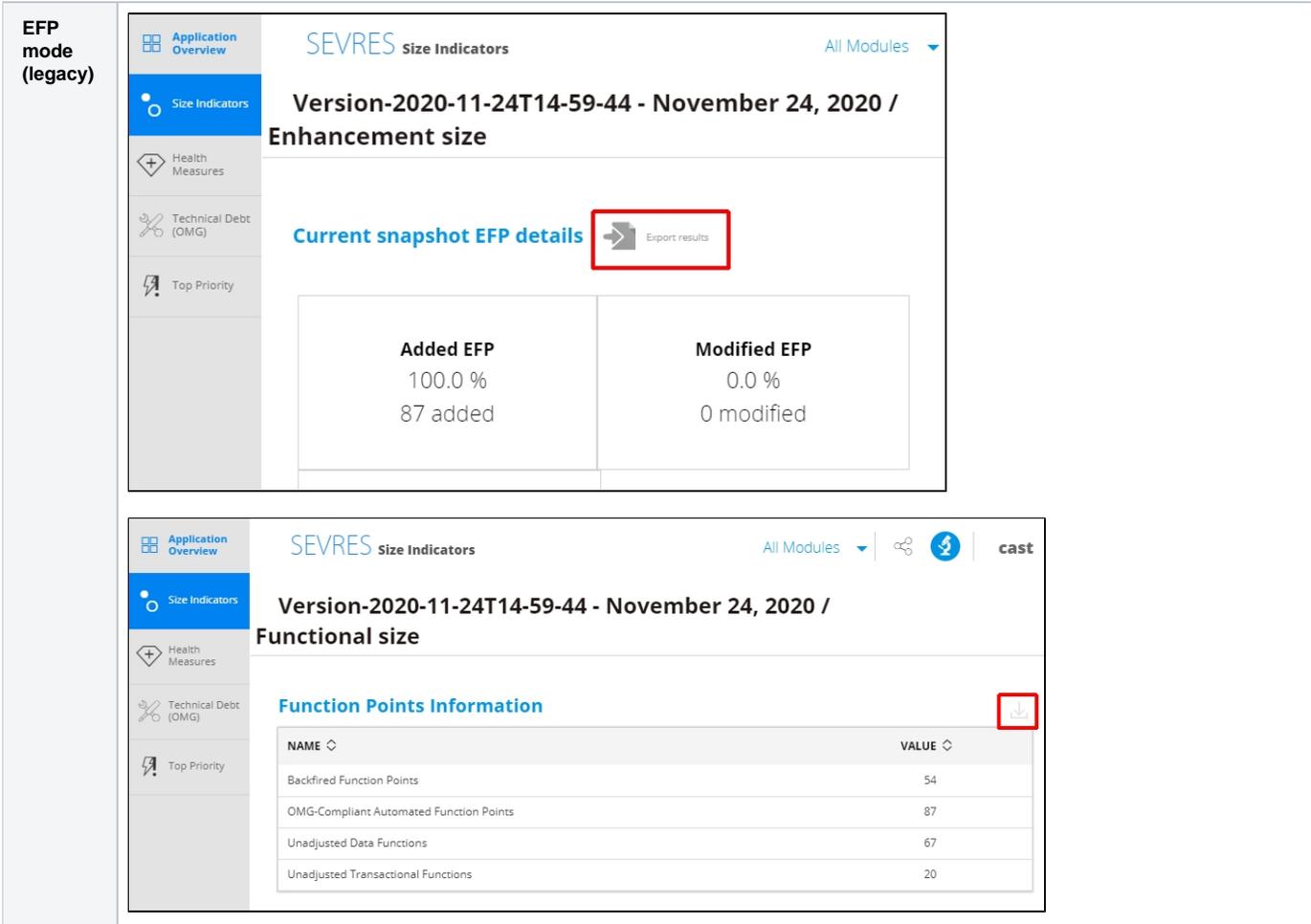
Introduction

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 /' and the title '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 metric titled 'Size of the Enhancement' is shown with a greyed-out download icon (indicated by a red box). The bottom of the page shows the start of an 'Enhancement Distribution' chart.



Activating the export icons

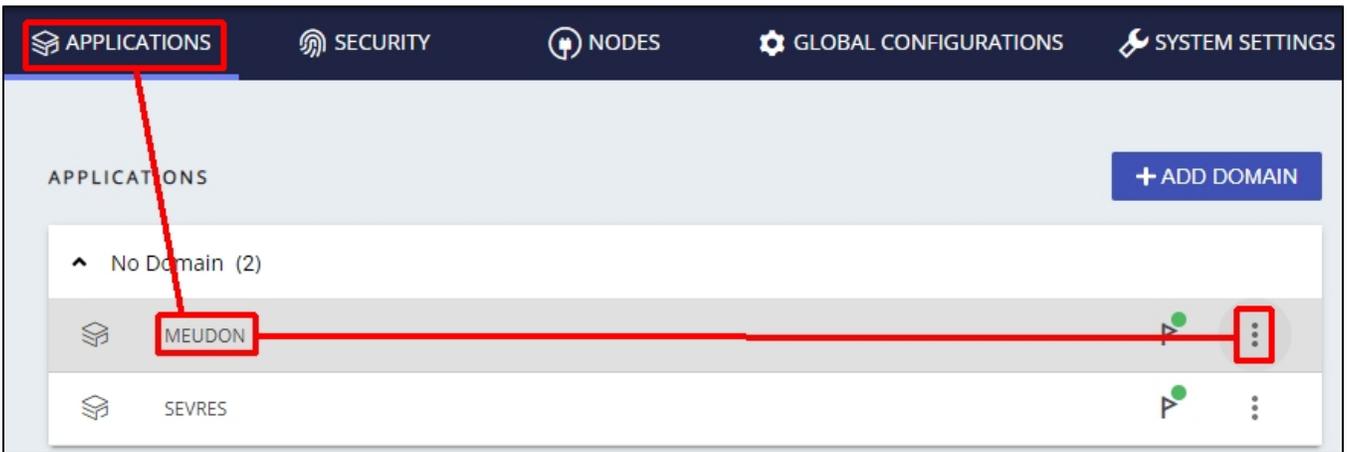
To enable the icons when using the **standalone Health war file** a CAST Administrator needs to make a configuration change as follows:

Determine the Dashboard schema name

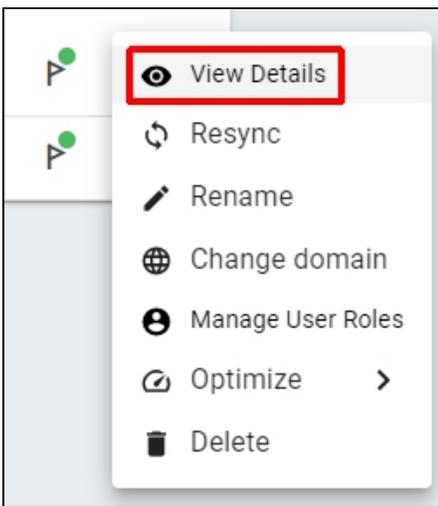
First determine which **Dashboard schema** the snapshot containing the relevant Application has been generated in. You can do so by first looking at the **Application** and **Snapshot** name in the Health Dashboard:



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

i 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.