DVM Dashboard
Available via One Support Launchpad
Introduction
Target Group

The DVM Dashboard is targeted towards:

- **IT Manager**
  - Find optimization potential in different HANA (S/4, Suite, SAP_FIN) systems of IT landscape
  - Reduce IT cost through better utilizing available memory resources and disk space

- **DVM Project Manager**
  - Determine reduction potential in HANA system
  - Focus on optimal methodology for data reduction (right tool for required reduction area)

- **DVM Expert**
  - Detect reduction potential on different areas (Memory and Disk)
  - Find proper tools for reduction, such as Archiving, Deletion & Technical Measures
  - See impact of data reduction measures
DVM Dashboard - Availability

DVM Dashboard – One Support Launchpad

- Standalone App
  - Available for all customers since July 2018

- Integration into SAP Solution Manager 7.2 (Sp03)
  - SAP S/4 HANA
    - Available as CQC Service (since August 2018)
    - Available as Self Service (as of October 2018)
  - SAP_FIN (sFIN / cFIN)
    - Reduced scope of analysis content
    - Same availability as S/4 HANA
  - SAP HANA (Suite on HANA)
    - Available
Access DVM Dashboard via SAP One Support Launchpad
Product Overview and Focus Areas

- Main Product Focus: ‘Classic’ SAP Business Suite on Any DB
- Support decision making process on data reduction possibilities / archiving concepts
- Support Customers in preparing transition to HANA and S/4 HANA
- DB specific tools (e.g. Reorg and Compression App)

- Main Product Focus: ‘Next Generation’ products (SAP HANA)
- Supported Databases: HANA only
- Insights into data reduction methods (technical + application related)
- Support Customers in S/4 HANA operations (from DVM perspective)
Architecture
Architecture
Data Collection
How to run a new Analysis?
Fully Automated: *EWA based data collection*

From plugin version ST-PI 740 SP11 onwards, the DVM data collection for HANA systems is included in the EWA data collectors (SDCCN). This automatically ensures that DVM data is collected for additional evaluation in the DVM Dashboard.

- App is populated automatically
- Data is collected once per month

- If you do not meet the EWA requirements or if you need a more frequent upload of data you can use the following self-service options:
How to run a new Analysis?
Customer Self-Service Options:

**Option 1: Automated Self-Service - Auto GSS**
“Solman_setup” configuration will trigger the report RAGS_DVM_CQC_CONTROL to run in your SAP Solution Manager.

This report will subsequently trigger a second job, AGS_DVM_CQC_ANALYSIS, in your managed system.

The result can be found in SAP One Support Launchpad.

**Option 2: Data collection via Self Service Session in SAP Solution Manager 7.2**
A connection to the SAP Portal is required (this is setup as a part of Solution Manager Setup)

The DVM applications can be entered by transaction SM_WORKCENTER and the DVM Self Services can be found and created via tile “Service Sessions”

**Option 3: Manual DVM data collection in the S/4 Hana System**
In case SAP Solution Manager 7.2 is not in place or the required connections from Solution Manager to SAP or the managed system are not setup, there is the option to manually transfer data without the involvement of SAP Solution Manager

SAP KBA 2716655 contains all the details of the steps needed to collect the data for the DVM Dashboard (with and without SAP Solution Manager) as a Customer Self Service by using a suitable option from above:
Prerequisites

SAP ABAP Systems, SAP HANA (S/4, Suite, SP_FIN) and (preferably) EWA data is sent to SAP. If EWA data is not sent to SAP, then the manual procedure documented in SAP KBA 2716655 is relevant. If EWA data is sent, ensure SAP Notes 2746840, 2818348 are implemented.


Useful SAP Notes:
Authorizations – 2698930, 1511008
Downport of data collection – 2712300
Archiving – FI_DOCUMNT - 2457625
DVM Dashboard
User Interface

The central landing page provides a comprehensive overview of your system regarding Memory and Disk space usage. Color coded tiles and graphics highlight the most beneficial topics to be addressed to manage the data volume topic.

Reduction potential for memory and disk usage are immediately available “out of the box”.

Drill-downs by tile and graph provide access to detailed information on reduction potential by area.

- Distribution of records by year
- Custom table statistics
- Achievements (via Archiving primarily)
- Growth Statistics (Increase/Decrease)
- Technical SAP HANA Analysis
  - Largest tables on Disk or on Memory,
  - Top Growing tables,
  - Top Shrinking tables,
- Each App can be shared via email
- New Analyses can be uploaded manually
- Services can be requested from SAP
SAP DVM Dashboard – Optimize Memory Usage

A ranked list of reduction objects based on reduction potential.

- Can be filtered by method i.e. Aging, Archiving, Deletion.
- Can be displayed in Tabular or Graphical format
Simulation Function

- Model the impact of custom residence times on reduction potential
- Custom residence times can be saved. All predictions can be based on these.

Custom residence time and reduction potential

Standard Residence Time and Reduction Potential
App showing the top custom tables (by size) in the analyzed system.

- Metrics shown – Disk Size, Estimated Max. Memory Size and Record Count.
SAP DVM Dashboard – Achievements

Shows Achievements in reducing data by method (primarily Archiving).

- Statistics
- Results

Default view is filtered for last month.
Filter can be removed to show all achievements.
Rating provides guidance on further actions/review.
Drilldowns to reduction object and executions.
SAP DVM Dashboard – Growth Statistics

Detailed analysis available for Tables & Applications.

- Top Growing
- Top Shrinking

Easy switch between growing/shrinking views

Multiple sort options

System growth rate is plotted over a 12 month timeline
A range of analyses are available providing deep technical insights on the data

*Note:*

The tile on the landing page is dynamic and reflects the number of SQL statements the current snapshot was able to execute e.g. in this slide we can see “10” in the tile, but this number is liable to change.
SAP DVM Dashboard – Analyzed Records by Year

Distribution of Records by
- Year
- Application
- Sub-Application

Raw Data view in tabular format
Share information

Every App can be shared via email with relevant recipients.

Every App has its own dedicated URL.

Use the email icon. A draft email is proposed as follows. Edit as required to convey your message.

Hello,

Here is a direct link for DVM analysis.

System and client: EDP_100
Date: 16/01/2020

Link: https://launchpad.support.sap.com/#/dataoverview/AnalyzedRecordsTimeDistribution/100&16012020&0020849124&

Regards,
The DVM Dashboard Application will propose specific DVM Services based on the data collected in order to address existing issues or to help you to pro-actively prevent issues arising.