

# Information on MDG-EAM Compliance to Data Privacy and Protection like GDPR and Other Regulations

#### Applies to

MDG-EAM Solutions by Utopia

#### Summary

Master Data Governance for Enterprise Asset Management (EAM) and Asset Information Workbench (AIW) are applications that are providing a workflow-based governance process for enterprise assets /technical objects.

Company: Prometheus Group

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## Introduction

You can use this document to configure MDG classes to scan through the open Change Requests for the usage of Customer or Vendor while running the report for blocking Customer/Vendor master data.

In addition, this document explains the settings to help customers to be compliant to data privacy laws (like the General Data Protection Regulation (GDPR)) with the EAM and AIW Solutions by Utopia. This implies that the sensitive data used in MDG Change Requests can only be accessed by user with required authorization.

The following topics are discussed in this document:

- Business Context
- Prerequisite
- Registration of MDG class for EoP check
- Usability of sensitive data on MDG-EAM UI based on authorizations

### **Business Context**

Utopia software products leverage the standard SAP framework and the underlying standard features for data protection applies to our products.

For personal data processed in the Master Data Governance (MDG) application, you can use SAP Information Lifecycle Management (ILM) to control the blocking and deletion of personal data.

Also, the personal data accessibility is controlled based on the auditor/non- auditor roles for providing better data protection. The usage of the blocked data is restricted till the same is unblocked.

For more information, see the product assistance for SAP S/4HANA on the SAP Help Portal under Product Assistance > Cross Components > Data Protection.

## Prerequisite

Correction Note  $\underline{2600472}$  – "Additional Code corrections for GDPR post EAM 9.2" should be implemented.

Ensure that the relevant ILM business functions are activated to continue with the next steps. You can find the relevant information in ILM help chapter on Activating SAP ILM.

https://help.sap.com/erp2005\_ehp\_08/helpdata/en/99/c05853b2dc7425e10000000a44176d/frameset.htm

i Note

Refer section on <u>Troubleshooting</u> if you face errors while running the blocking report CVP\_PREPARE\_EOP.

## Troubleshooting

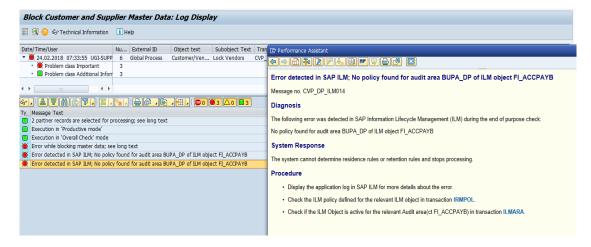
Some of the commonly faced errors while running the blocking report and their respective resolutions are provided as below:

- Error 1: No Policy found for audit area
  - o Resolution: Define ILM Policy and Rules
- Error 2: Customizing missing for authorization group
  - Resolution: Define Authorization group indicating Blocked Master Data



## Error 1: No Policy found for audit area

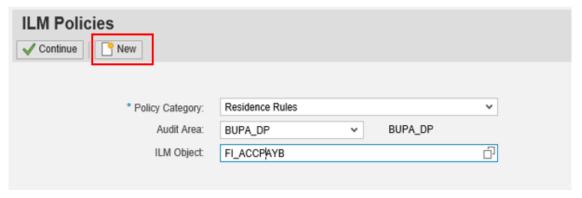
Error message: Error detected in SAP ILM: No Policy found for audit area BUPA DP of ILM object FI ACCPAYB



#### Resolution: Define ILM Policy and Rules

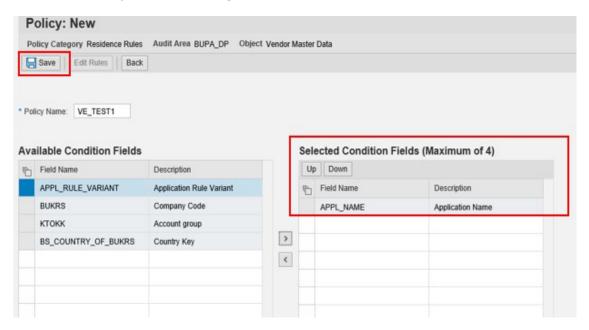
Use the following steps to define the ILM Policy and rules.

- 1. Navigate to the transaction IRMPOL.
- 2. Select the following entries:
  - Policy Category Residence Rules
  - Audit Area BUPA DP
  - ILM Object FI\_ACCPAYB (for vendors)
- 3. Click on "New" button.



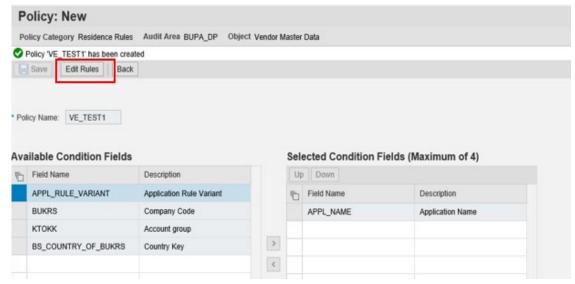
4. Select the "Application Name" from the "Available Condition Fields" and include in the selection criteria.





5. Click on "Save" button.

A success message is displayed as "Policy VE\_TEST1 has been created".



- 6. Click on "Edit Rules".
- 7. Navigate to the heading "Rules for Policy VE\_TEST1" and define a rule. Make the following selections for residence period 0.
  - Application Name: ERP\_VEND
  - Residence period: 0
  - Residence time unit: days
  - Time ref: Start of retention period

## 1 Note

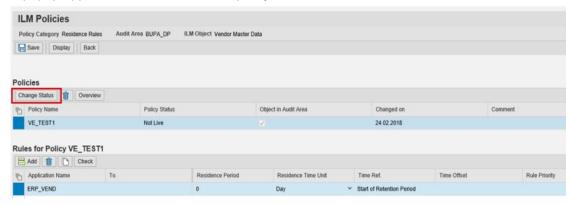
The Residence period decides the time span since the last change/create date after which the newly created vendor/customer can be blocked. Blocking is possible only if the end of retention date is less than current date. This is checked against all the company codes defined for that vendor based on the customizing.

Also, if the end of retention period lies in future, it flags the vendor/customer with "Ongoing business" and hence the vendor cannot be blocked.



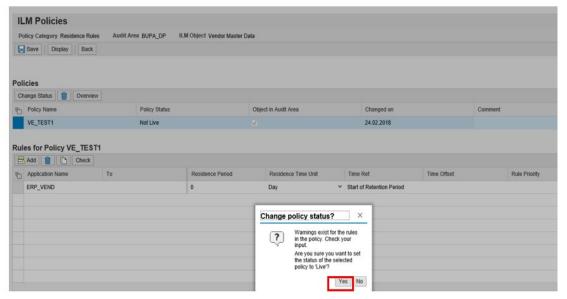
- 8. Click on "Save" button.
- 9. Click on "Change Status" button.

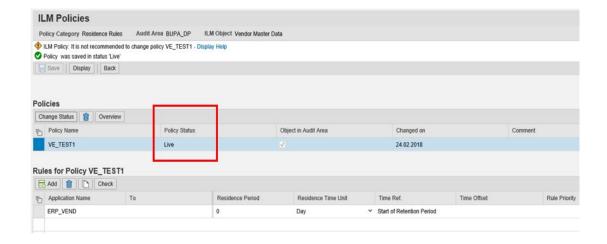
A popup appears to confirm to set the policy live.



10. Click on "Yes" button on the pop up.

A success message appears "Policy was saved in status Live".

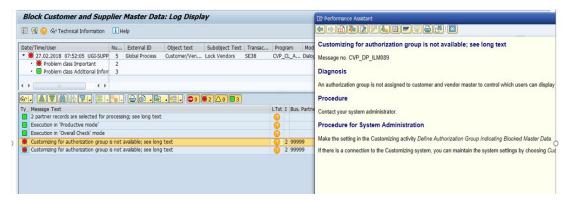






## Error 2: Customizing Missing for Authorization Group

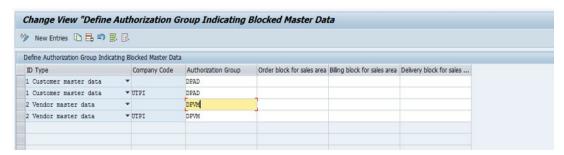
Error message: Customizing for the authorization group is not available; see long text



#### Resolution: Define Authorization group indicating Blocked Master Data

Navigate to the following path and maintain the authorization group for blocked master data.

Logistics – General > Business Partner > Deletion of Customer and Supplier Master Data > Define Authorization Group Indicating Blocked Master Data



i Note

Refer the following link for more information on ILM configuration:

https://help.sap.com/saphelp\_crm700\_ehp03/helpdata/en/f4/e6642b7f5542d8a7b7c7a037cba46f/fra\_meset.htm

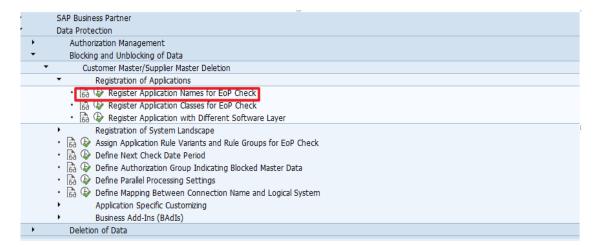
# Registration of MDG Class for EoP check

To scan for the usage of Customer/Vendor in the MDG open Change Requests, the following application and classes should be registered.

**Note**: You should ensure that the following steps of the configuration are completed. If you have not configured use the following steps to register MDG class for End of Purpose (EoP) check:

1. Navigate to SPRO > Cross-Application Components > Data protection > Blocking and Unblocking of Data > Registration of Applications > Register Application Names for EoP Check.

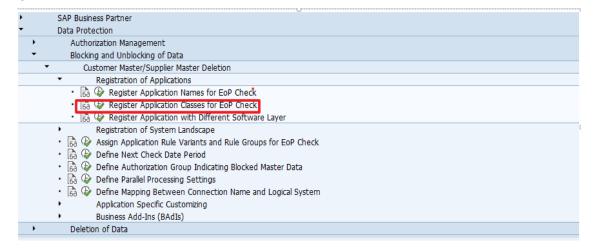




2. Make an entry for /UGI/\_EAM application.



 Navigate to SPRO > Cross-Application Components > Data protection > Blocking and Unblocking of Data > Registration of Applications > Register Application Classes for EoP Check.



- 4. Make the following entries for registering the MDG class for checking Customer/Vendor usage in open Change Requests.
  - Customer /UGI/CL\_CUST\_CHECK\_EOP\_FLAG



Vendor - /UGI/CL\_VEND\_CHECK\_EOP\_FLAG

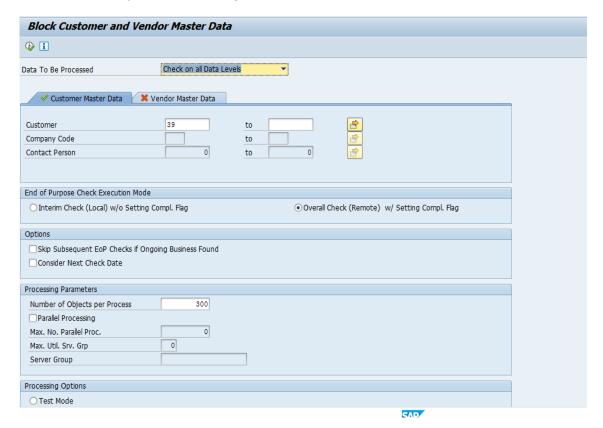


- 5. Use transaction code (t-code) SM30 to maintain the entities and the MDG attributes to be scanned while running the blocking report in the maintenance view /UGI/EOP\_CHECK. If a customer wants to extend the data model with any sensitive data fields and wants to bring those fields into MDG EAM EoP check consideration, such fields should be added to the following table in the specified format:
  - Object: Main entity
  - Entity Type: Entity to which that sensitive attribute belongs
  - Attribute: Actual sensitive attribute
  - Ob Ty.: Customer/Vendor/Contact Person

| Object    | Entity Type | Attribute | Ob Ty.   |
|-----------|-------------|-----------|----------|
| EQUI      | EQUI        | ELIEF_EQI | Vendor   |
| EQUI      | EQUI        | KUN1_EEQZ | Customer |
| EQUI      | EQUI        | KUN2_EEQZ | Customer |
| EQUI      | EQUI        | KUN3_EEQZ | Customer |
| EQUI      | EQUI        | KUNDE_EQ  | Customer |
| EQUI      | EQUIPRTNR   | PARTNEREQ |          |
| FUNCLOC   | FUNCLOCPT   | PARTNER   |          |
| PMBOMHDR  | BOMITEM     | VENDOR    | Vendor   |
| EQBOMHDR  | EBOMITEM    | VENDOR    | Vendor   |
| FLBOMHDR  | FLBOMITEM   | VENDOR    | Vendor   |
| WBSBOMHDR | WSBOMITEM   | VENDOR    | Vendor   |
| TLEQHDR   | TLEQOPRS    | LIFNR     | Vendor   |
| TLFLHDR   | TLFLOPRS    | LIFNR     | Vendor   |
| TLGNHDR   | TLGNOPRS    | LIFNR     | Vendor   |

- 6. Run t-code CVP\_PRE\_EOP in ECC. This report can be used to block data related to customers and vendors. The report checks with the dependent applications if business is complete and the residence period is over and then blocks the customer and vendor master data.
  - You can no longer display, edit, create business objects or conduct follow-up activities with the blocked data. The blocked data can be displayed only by users having the appropriate permissions. You can use this report if the authorization object B\_BUP\_PCPT is set with ACTVT 05.
  - https://help.sap.com/saphelp\_banking90loc/helpdata/en/fe/125953c91eff4fe10000000a44176d/frameset.htm
- 7. Select "Overall Check" as Execution Mode and "Production Mode" as processing options.





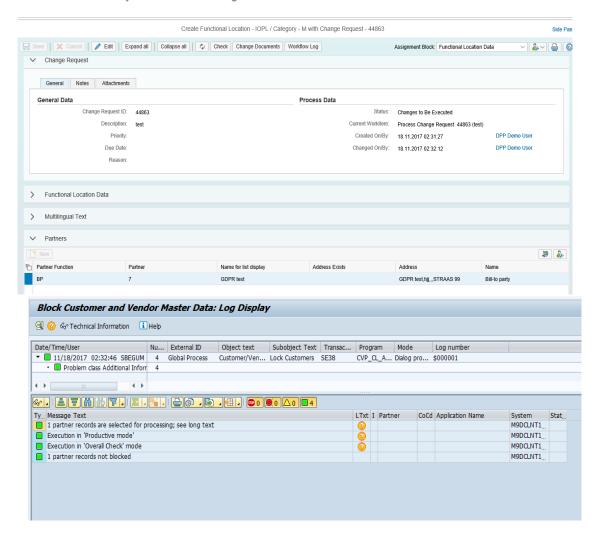
8. Click the "Execute" button.

## i Note

In case the Vendor/Customer is used in any of the open Change Request in MDG, blocking of the same is stopped as displayed in the following screens.

The following screen displays the specific Customer is locked in a Change Request.





# Usability of Sensitive Data on MDG-EAM UI Based on Authorizations

This section explains how sensitive data is handled in MDG-EAM and AIW screens with respect to authorizations.

Partner, Vendor and Customer data are available in following scenarios in MDG-EAM and AIW:

- Functional locations > Partners
- Equipment > Partners
- Functional locations > Partners
- Equipment > Stock Information>Vendor/Customer (display only)
- Equipment > Stock Information>Vendor/Customer (display only)
- Equipment >Customer/Vendor Information> Customer/Vendor/Postal code/City etc. (display only)
- Task list Operations > Vendor
- Sensitive fields excluded from the Mass Change UI

Use the following steps to check the accessibility of sensitive data on MDG-EAM based on authorizations:

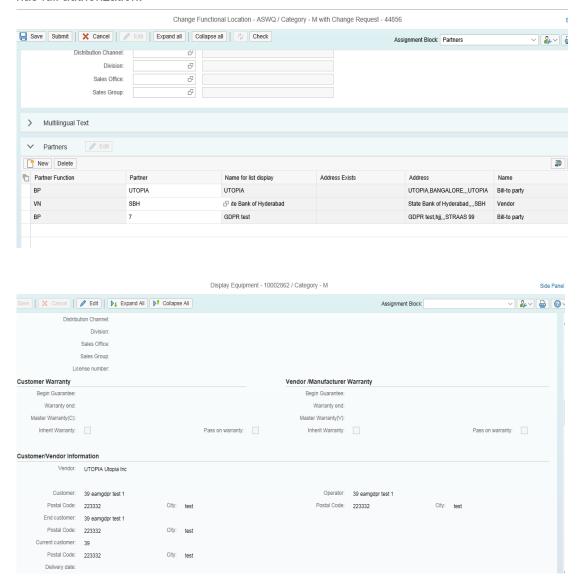
1. Open the already existing EAM Change Request containing Customer/Vendor/Partner marked with EoP flag.



## i Note

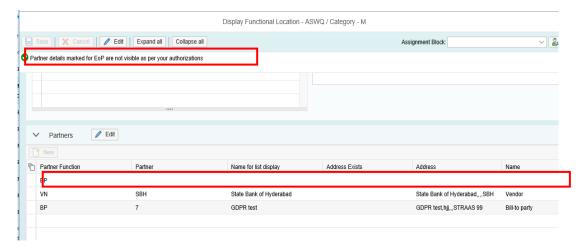
In case of limited authorizations, the same is blank/spaced out. Deletion/Changing of the same is not allowed with limited authorizations.

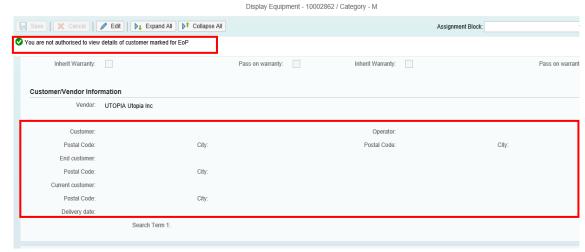
The following screen displays the existing Change Request with all visible data to a user who has full authorization.



The following screen displays the Change Request with sensitive data not visible (blank) for the user with limited authorization. An information message is displayed to convey the same.



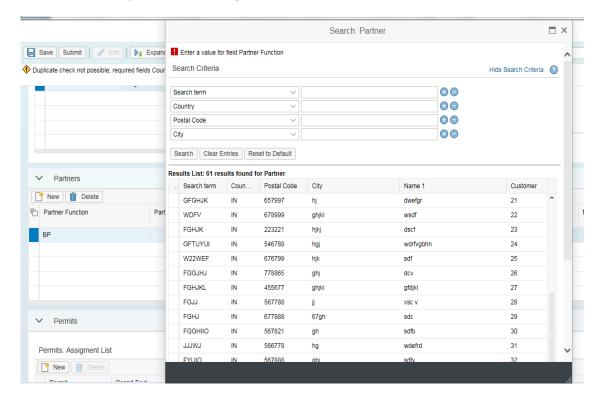




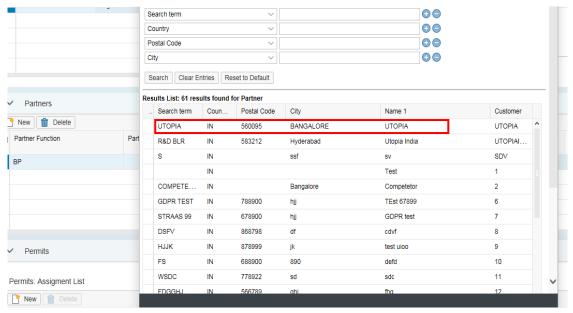
2. Run a Create/Change flow on an EAM object. F4 Help is restricted for Partner/Customer/Vendor marked with EoP with respect to authorizations.

The following screen displays that Partners with EoP are not available for selection with limited authorizations.



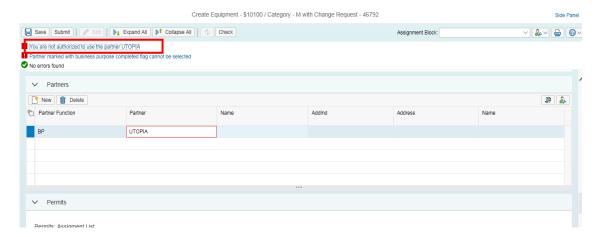


The following screen displays that Partners with EoP are available for selection with full authorizations.

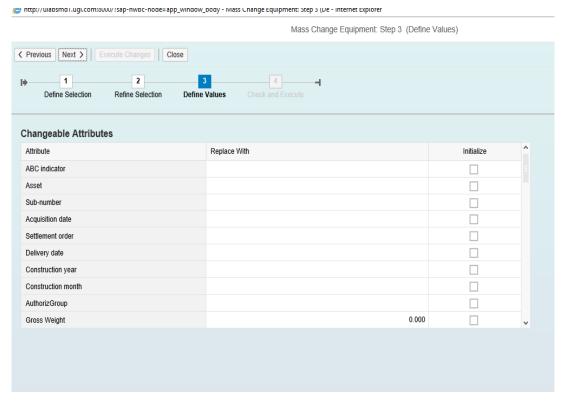


3. Run a Create/Change flow on an EAM object. For example, Partners in Functional Location. Incase partners with EoP flag is assigned, error messages are displayed to stop the assignment of blocked Customer/Vendor in Change Request.



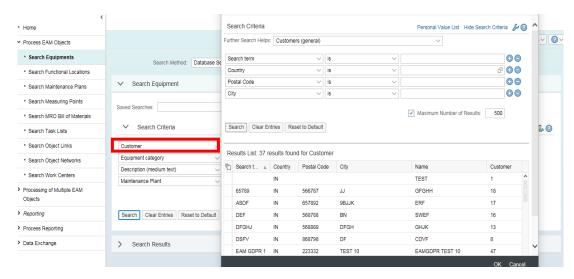


 Run Mass Change scenario for an EAM object. The sensitive fields such as Vendor/Customer/Contact Person data should not be available on the Mass Change UI for selection.

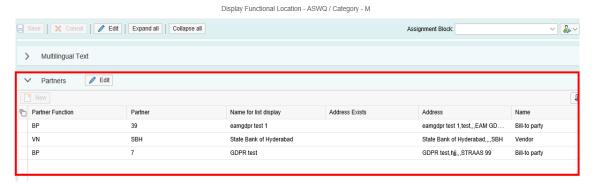


5. Run database search on the sensitive fields. F4 Help is restricted based on authorization for the EoP marked Customer/Vendor.



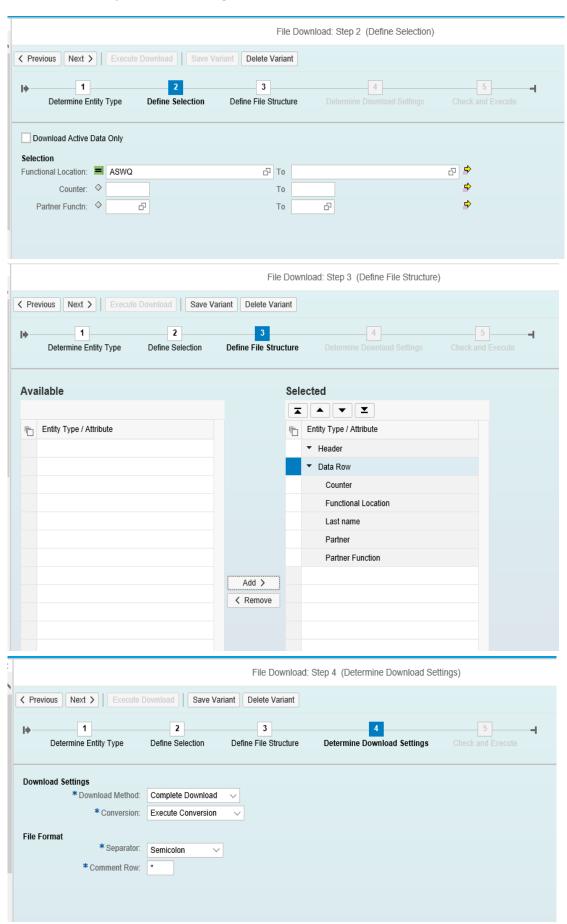


6. File Download does not show up sensitive data for unauthorized users. The following screen displays Functional Location ASWQ has partners.

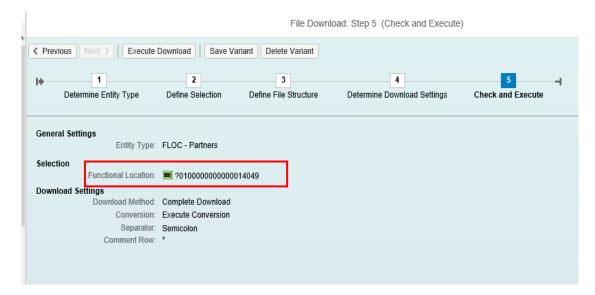








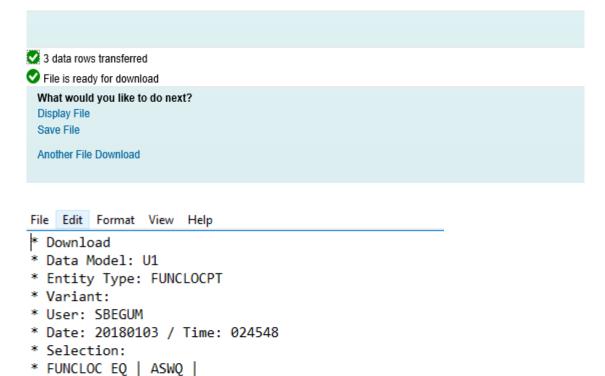




File Download performed for user with required authorization.

Both the data rows appear in the downloaded file with vendor field (key) populated.

File Download



File Download result for user with limited authorization Sensitive data does not appear in the downloaded file.

000000; ASWQ; eamgdpr test 1; 39; BP;

000002; ASWQ; GDPR test; 7; BP;

\*COUNTERFL; FUNCLOC; NAMEDISP; PARTNER; PARTNERFN

000001;ASWQ;State Bank of Hyderabad;SBH;VN;



File Download

2 data rows transferred

File is ready for download

What would you like to do next?

Display File Save File

Another File Download

file\_download (1) - Notepad

File Edit Format View Help

\* Download

\* Data Model: U1

\* Entity Type: FUNCLOCPT

\* Variant:

\* User: DPP\_DEMOUSER

\* Date: 20180103 / Time: 023905

\* Selection:

\* FUNCLOC EQ | ASWQ |

\*COUNTERFL; FUNCLOC; NAMEDISP; PARTNER; PARTNERFN | 000001; ASWQ; State Bank of Hyderabad; SBH; VN; 000002; ASWQ; GDPR test; 7; BP;