Is it possible to mask or encrypt field LFA1 fields

Purpose
The purpose of this content is to provide some guidance and a brief explanation about how to mask or encrypt field.

Overview
SAP does not provide encryption directly, but provides an interface for using third party security toolkits for server-to-server communication (SAPCRYPTOLIB is available).

How to proceed
As you know, unfortunately there is no way to do this in the standard system. To solve this issue you can work with authorization.

There is only the authorization object F_LFA1_AEN, which protects the selected fields against the unauthorized changes.

Please review SAP Note 7545 authorization for master record field F_LFA1_AEN.

To be able to assign this special authorization, proceed as follows

1. First of all you define field groups (see define field groups for vendor master records, transaction OBAT). These groups combine the fields which are to be protected together.

2. Afterwards you allocate the master record fields which are to be particularly protected to the groups (See group fields from the vendor master records, transaction OBAU).

3. You then define the authorization by specifying required groups for the Vendor: Change authorization for particular fields authorization object.

4. Lastly you allocate the authorization to the required profile. The profiles are stored in the user master record of the accounting clerk. The authorizations become effective once they are in these.

Unfortunately there is no authorization object for the displaying on the field level.

In order to fulfill your requirement, you should try the following workaround which is based on the idea that there are two transactions XK03 and FK03 displaying the vendor tax data. Thus, you can use OB23 to customize one of them (e.g. FK03) not to display the fields and allow the normal users to use this transaction only. Another Transaction (e.g. XK03) can be customized to display these fields and should only be used by the users with the authorization for this transaction (F_LFA1_APP).

Steps:
1) Use the IMG Customizing tool (transaction SPRO) or transaction OB23 directly to define control settings data as "Suppress" within transaction FK03 and as "Display" within transaction XK03.

2) The use of transaction XK03 should only be allowed to the managers, but not to the normal users who should use transaction FK03 (authorization object F_LFA1_APP).

An other possibility could be the using of different transaction variants for different users. You could use transaction SHD0 to create a new transaction variant.

Related Content

Related Documents
Also - see SAP Service Marketplace,
Security Partners > Partners for network security (SNC)

Related SAP Notes/KBAs
SAP Note 66687: Use of network security products
SAP Note 597059: License conditions of SAP Cryptographic Library
SAP Note 397175: SAP Cryptographic Software - Export control
SAP Note 662340: SSF Encryption Using the SAPCryptolib
SAP Note 578377: Digital signatures with SACPREDTOLIB