

Application Server Installation Guide for OPSS - CSF
Oracle FLEXCUBE Universal Banking
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1. Application Server Installation Guide for OPSS - CSF

1.1 Introduction

Before using CSF(Credential Store Framework), you need to do Application server installation for OPSS(Oracle Platform Security Services) set up.

1.1 .Application Server Installation for OPSS – CSF

1. Create Weblogic Domain with Oracle Enterprise Manager & Oracle JRF templates
2. Extend an existing Weblogic Domain with Oracle Enterprise Manager & Oracle JRF templates
3. Create schemas using RCU

1.2 Create OPSS schemas using RCU

1. Run ./rcu from Oracle_Home/oracle_common/bin
2. Select Create Repository & System load and product load
3. Provide database connection details (sys/sysdba user and password)
4. Select OPSS
5. Provide schema passwords
6. Map table spaces
7. Click on Create button to complete installation.
8. Close

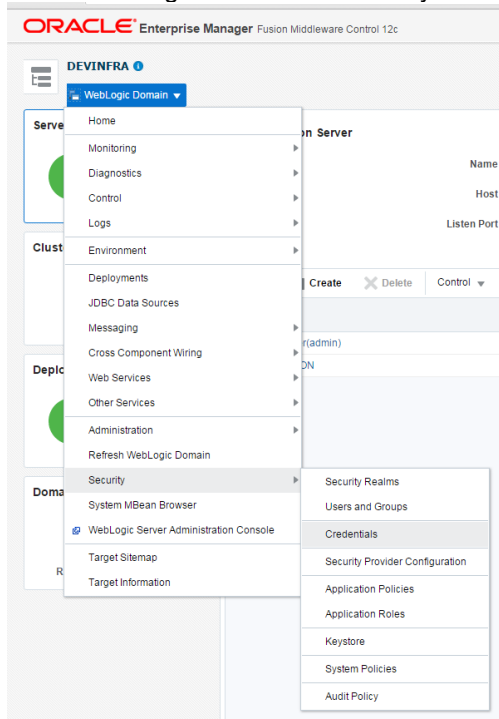
1.3 Create Weblogic domain using domain templates

1. Select Basic Weblogic Server Domain
2. Select Oracle Enterprise Manager
3. Select Oracle JRF
 - a. [once we select Oracle JRF , tool selecting Weblogic Coherence Cluster Extension also]
4. Select application location [select default values]
5. Select admin account
6. Select domain mode & JDK
7. Database configuration Types
 - a. Select RCU data
 - b. Enter database connection details using RCU Service table (STB) schema credentials.
 - c. Check / verify the component data sources
 - d. JDBC test
8. Adv configuration if required
9. Config summary
10. Click on create
11. Next & Finish

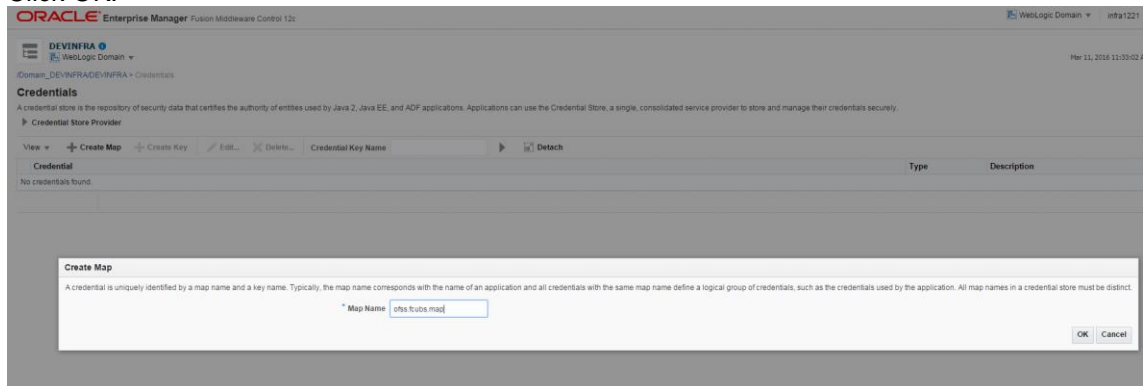
Refer: http://www.oracle.com/webfolder/technetwork/tutorials/obe/fmw/wls/12c/12_2_1/02-03-002-CreateJRFEMDomain/createjrfemdomain.html#overview

1.5 Configure credential MAP and KEY

1. Copy the fcubscommonsfs.jar from INSTALLER/SOFT/LIBRARY/ofss to \$DOMAIN_HOME/lib
2. Update the setDomainEnv.sh file (\$MW_HOME/user_projects/domains/mydomain/bin directory) by appending the above jar file path –
EXTRA_JAVA_PROPERTIES="{EXTRA_JAVA_PROPERTIES} ; Dfcubs.csf.path=\${DOMAIN_HOME}"
3. Configure security via em console
4. Select Weblogic Domain -> Security -> Credentials. Click Create Map

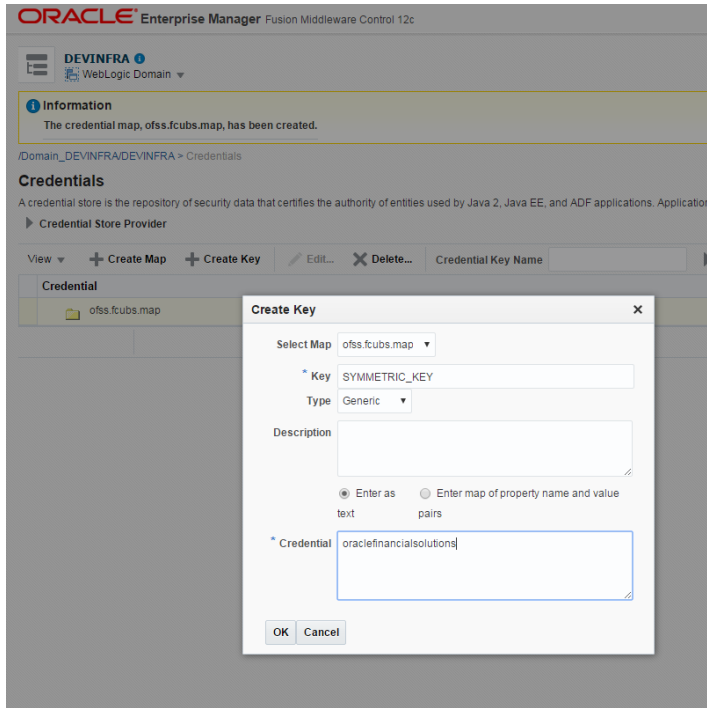


5. Enter the Map Name: ofss.fcubs.map
6. Click OK.

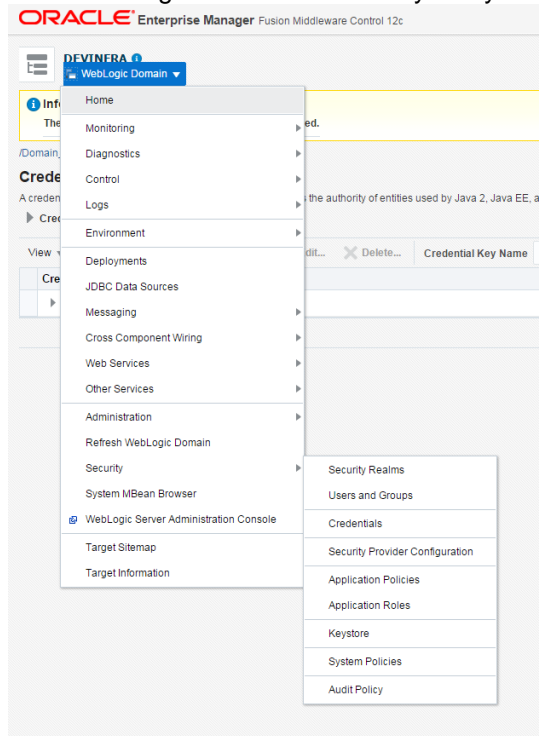


7. Create Key button
8. Enter the details as below
9. Select Map: ofss.fcubs.map

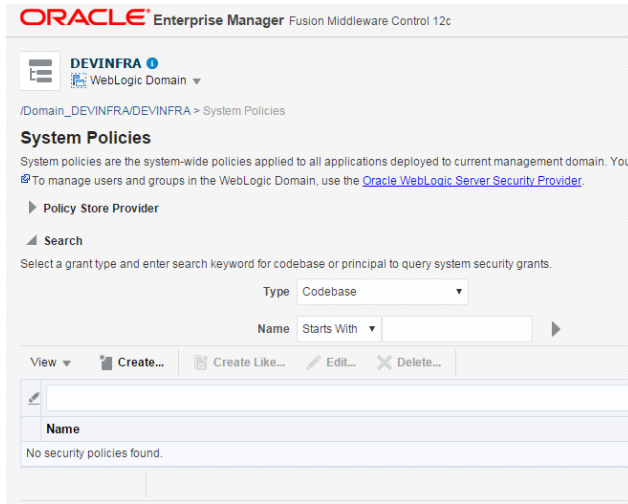
Key: SYMMETRIC_KEY
Type: Generic
Credentials: *oraclefinancialsolutions*
Click OK



10. Select Weblogic Domain -> Security -> System Policies.

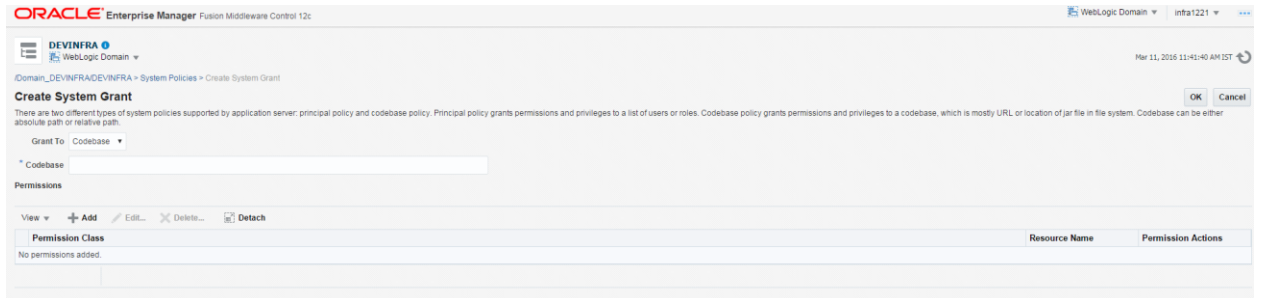


11. Click Create



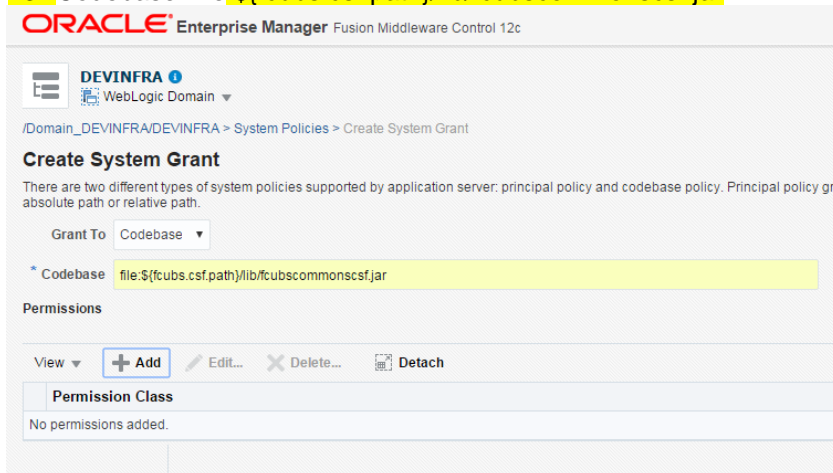
The screenshot shows the Oracle Enterprise Manager interface for Fusion Middleware Control 12c. The breadcrumb path is /Domain_DEVINFRA/DEVINFRA > System Policies. The page title is "System Policies". Below the title, there is a description: "System policies are the system-wide policies applied to all applications deployed to current management domain. You can manage users and groups in the WebLogic Domain, use the Oracle WebLogic Server Security Provider." There is a "Policy Store Provider" section and a "Search" section. The search section has a "Type" dropdown set to "Codebase" and a "Name" dropdown set to "Starts With". Below the search section, there are buttons for "View", "Create...", "Create Like...", "Edit...", and "Delete...". The "Create..." button is highlighted. Below the buttons, there is a table with one row: "Name" and the text "No security policies found."

12. Enter Codebase



The screenshot shows the Oracle Enterprise Manager interface for Fusion Middleware Control 12c. The breadcrumb path is /Domain_DEVINFRA/DEVINFRA > System Policies > Create System Grant. The page title is "Create System Grant". Below the title, there is a description: "There are two different types of system policies supported by application server: principal policy and codebase policy. Principal policy grants permissions and privileges to a list of users or roles. Codebase policy grants permissions and privileges to a codebase, which is mostly URL or location of jar file in file system. Codebase can be either absolute path or relative path." There is a "Grant To" dropdown set to "Codebase". Below it, there is a text input field for "Codebase". Below the input field, there is a "Permissions" section with buttons for "View", "Add", "Edit...", "Delete...", and "Detach". The "Add" button is highlighted. Below the buttons, there is a table with one row: "Permission Class" and the text "No permissions added." The table has columns for "Permission Class", "Resource Name", and "Permission Actions".

13. Codebase: file:\${fcubs.csf.path}/lib/fcubscmmonscsf.jar



The screenshot shows the Oracle Enterprise Manager interface for Fusion Middleware Control 12c. The breadcrumb path is /Domain_DEVINFRA/DEVINFRA > System Policies > Create System Grant. The page title is "Create System Grant". Below the title, there is a description: "There are two different types of system policies supported by application server: principal policy and codebase policy. Principal policy grants permissions and privileges to a list of users or roles. Codebase policy grants permissions and privileges to a codebase, which is mostly URL or location of jar file in file system. Codebase can be either absolute path or relative path." There is a "Grant To" dropdown set to "Codebase". Below it, there is a text input field for "Codebase" containing the value "file:\${fcubs.csf.path}/lib/fcubscmmonscsf.jar". Below the input field, there is a "Permissions" section with buttons for "View", "Add", "Edit...", "Delete...", and "Detach". The "Add" button is highlighted. Below the buttons, there is a table with one row: "Permission Class" and the text "No permissions added." The table has columns for "Permission Class", "Resource Name", and "Permission Actions".

14. Click Add. select checkbox "Select here to enter details for a new permission"

15. Provide below details

Permission Class: oracle.security.jps.service.credstore.CredentialAccessPermission
 Resource Name: context=SYSTEM,mapName=ofss.fcubs.map,keyName=*

ORACLE Enterprise Manager Fusion Middleware Control 12c

DEVINFRA WebLogic Domain

/Domain_DEVINFRA/DEVINFRA > System Policies > Create System Grant

Create System Grant

There are two different types of system policies supported by application server: principal policy and codebase policy. Principal policy grants permissions and privileges to a list of users or roles. Codebase policy grants permissions and privileges to a codebase.

Grant To: Codebase

Codebase: file:\${fcubs.csf.path}/lib/fcubscmmonscsf.jar

Permissions

Add Permission

Select from permissions and resources used in system policies of this domain. Enter search criteria to search for right permissions.

Search

Type: Codebase

Name:

Permission:

Search Results

| Name | Type | Permission |
|-----------------------|------|------------|
| No permissions found. | | |

Select here to enter details for a new permission

Permission Class: oracle.security.jps.service.credstore.CredentialAccessPermission

Resource Name: context=SYSTEM,mapName=ofss.fcubs.map,keyName=*

Permission Actions: read

16. Click on Ok for Add Permission and System policies.

ORACLE Enterprise Manager Fusion Middleware Control 12c

DEVINFRA WebLogic Domain

Domain_DEVINFRA/DEVINFRA > System Policies

System Policies

System policies are the system-wide policies applied to all applications deployed to current management domain. You can grant special permissions and privileges to principal or codebase.

Policy Store Provider

Search

Select a grant type and enter search keyword for codebase or principal to query system security grants.

Type: Codebase

Name: Includes

Value: csf

View Create... Create Like... Edit... Delete...

Permissions for Codebase: file:\${fcubs.csf.path}/lib/fcubscmmonscsf.jar

| Resource Name | Permission Actions | Permission Class |
|---|--------------------|---|
| context=SYSTEM,mapName=ofss.fcubs.map,keyName=* | read | oracle.security.jps.service.credstore.Cred... |

17. click OK for create System Grant

18. Restart the servers[Admin, Managed servers]



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