

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.

.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

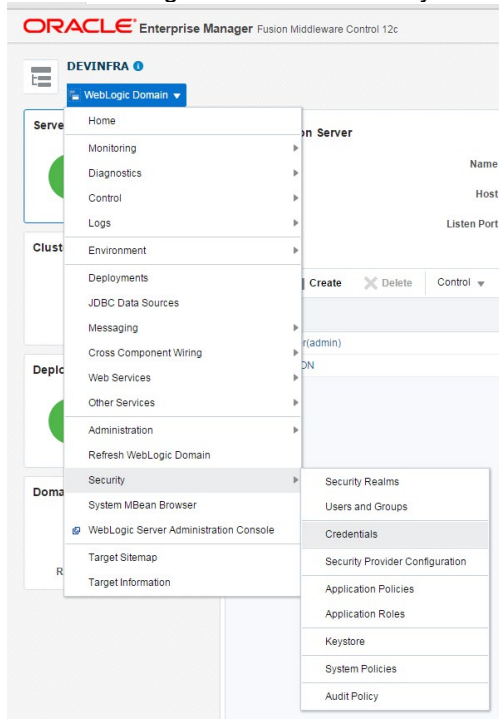
1.3 Create Weblogic domain using domain templates

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

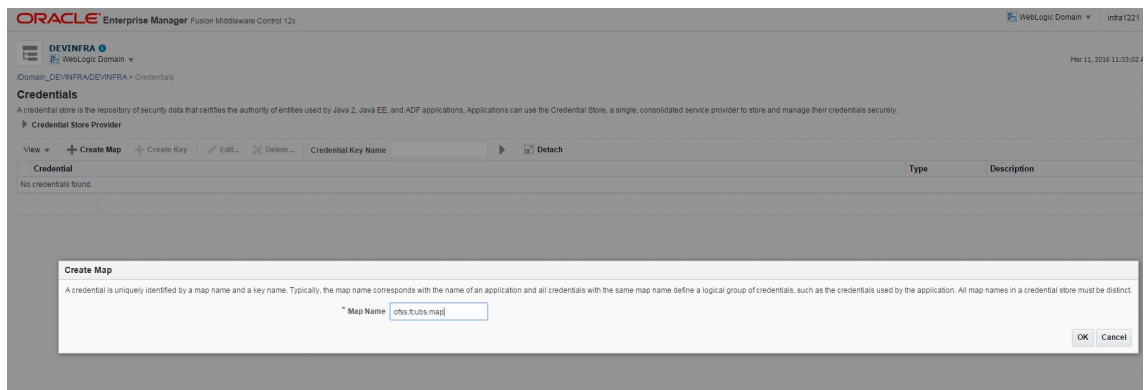
Refer: http://www.oracle.com/webfolder/technetwork/tutorials/obe/fmw/wls/12c/12_2_1/02-03-002-CreateJRFEMDomain/createjrfemdomain.html#overview

1.4 Configure credential MAP and KEY

1. Copy the fcubscmmonscsf.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

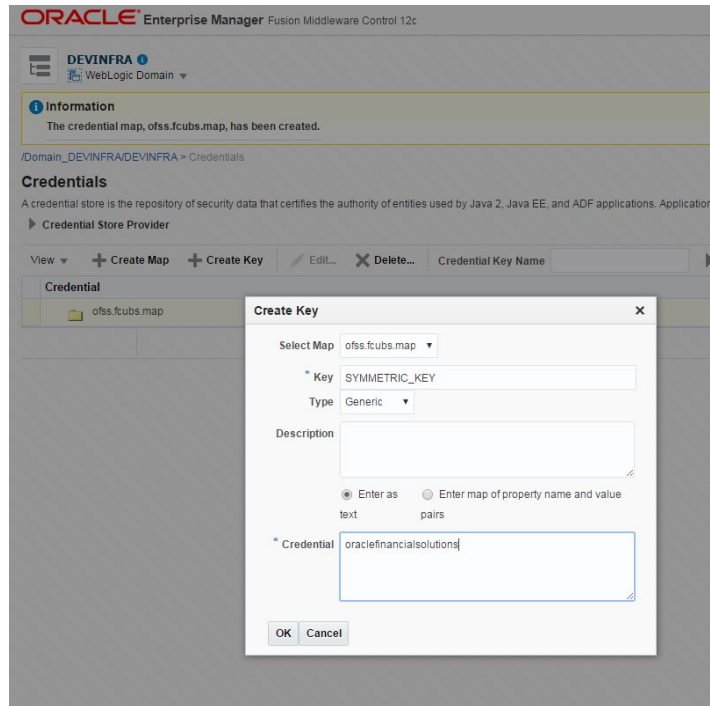


5. Enter the Map Name: ofss.fcubs.map
6. Click OK.

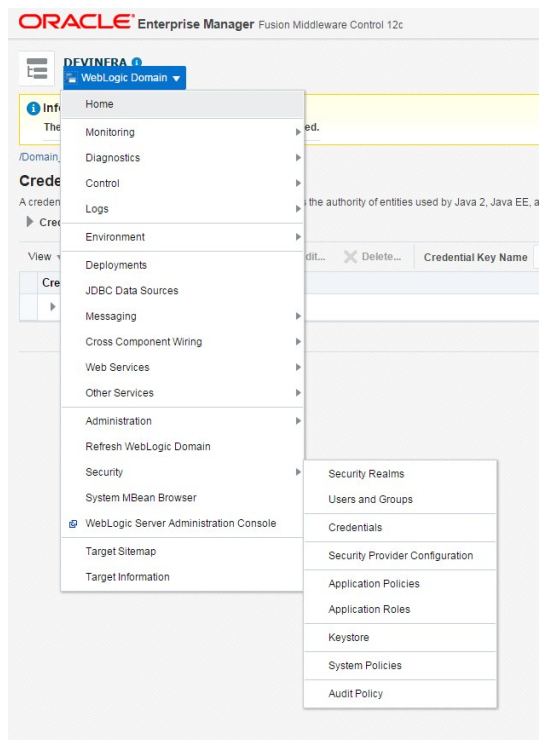


7. Create Key button
8. Enter the details as below

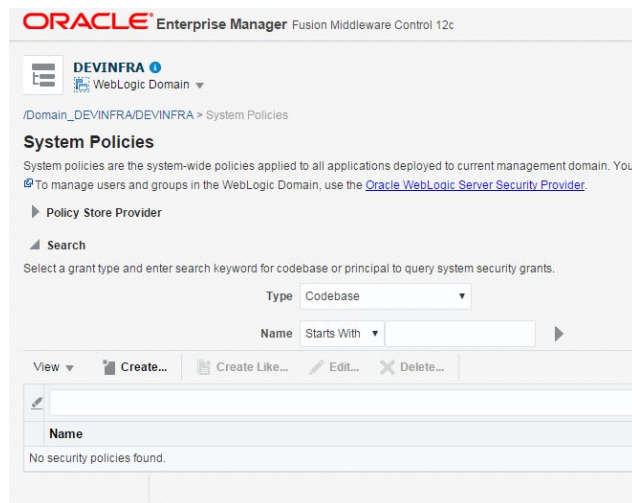
9. Select Map: ofss.fcubs.map
Key: SYMMETRIC_KEY
Type: Generic
Credentials: *oraclefinancialsolutions*
Click OK



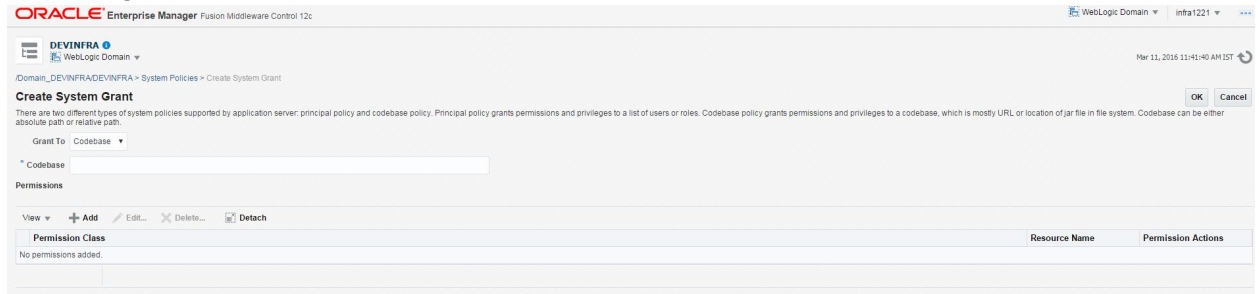
10. Select Weblogic Domain -> Security -> System Policies.



11. Click Create



12. Enter Codebase



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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, which is mostly URL or location of jar file in file system. Codebase can be either absolute path or relative path.

Grant To: Codebase

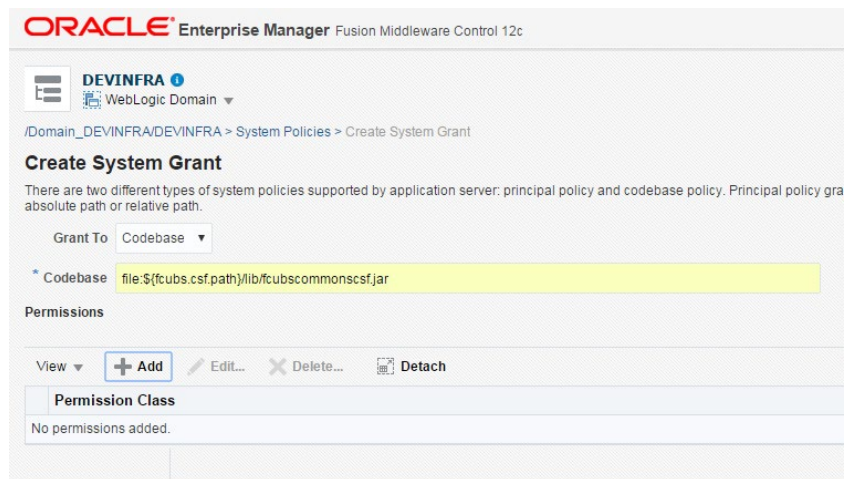
* Codebase

Permissions

View + Add Edit... Delete... Detach

Permission Class	Resource Name	Permission Actions
No permissions added.		

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



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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, which is mostly URL or location of jar file in file system. Codebase can be either absolute path or relative path.

Grant To: Codebase

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

Permissions

View + Add Edit... Delete... Detach

Permission Class	Resource Name	Permission Actions
No permissions added.		

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=*

Permission Actions: read

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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.

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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.

To manage users and groups in the WebLogic Domain, use the [Oracle WebLogic Server Security Provider](#).

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 csf

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

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

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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