Application Server Installation Guide for OPSS - CSF Oracle FLEXCUBE Universal Banking Release 12.2.0.0.0 [May] [2016]



Table of Contents

| 1. | App | lication Server Installation Guide for OPSS - CSF | .1 |
|----|-----|---|-----|
| | 1.1 | Introduction | . 1 |
| | 1.2 | Application Server Installation for OPSS – CSF | . 1 |
| | 1.3 | Create OPSS schemas using RCU | . 1 |
| | 1.4 | Create Weblogic domain using domain templates | . 1 |
| | 1.5 | Configure credential MAP and KEY | . 2 |



1. Application Server Installation Guide for OPSS - CSF

1.1 Introduction

Before using CSF, you need to do Application server installation for OPSS set up.

1.2 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

1.3 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

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

1.5 Configure credential MAP and KEY

- Copy the ofsscommonscsf.jar from INSTALLER/SOURCES/LIBRARY/ofss to \$DOMAIN_HOME/lib
- 3. 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}"

- 4. Configure security via em console
- 5. Select Weblogic Domain -> Security -> Credentials. Click Create Map



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



| CIRA | | prise Manager Fus | port minor remainer counter of a sec- | | | | Ret webcogic Domai |
|-------------|--|----------------------------|---------------------------------------|--|--|---|------------------------------------|
| | EVINERA O | * | | | | | 14e |
| Domain_DI | EVINFRADEVINFRA | | | | | | |
| Credent | tials | | | | | | |
| Acredential | i store is the repositor | ry of security data that c | certifies the authority of entities | s used by Java 2, Java EE, and ADF applic | lications. Applications can use the Credential Store, a single, consolidated service provider to sto | re and manage their credentials securely. | |
| Creden | ntial Store Provider | | | | | | |
| View + | + Create Map | Create Key | / Esit X Delete | Credential Key Name | Detach | | |
| Crede | intial | | | | | Туре | Description |
| | | | | | | | |
| No credent | itials found. | | | | | | |
| No credent | itals found | | | | | | |
| No credent | itals lound | | | | | | |
| No credent | itals found. | | | | | | |
| No credent | itals found. | | | | | | |
| No credent | itals found. | | | | | | |
| No credent | tais tound. | | | | | | |
| No credent | ttais tound. Create Map Acredental is unit | quely identified by a ma | ap name and a key name. Typ | sically, the map name corresponds with the | ie name of an application and all cedentials with the same map name define a topical group of | credentians, such as the credentians used by the application. A | I map names in a credential store |
| No credent | Create Map A credential is unit | quely identified by a ma | ap name and a key name. Typ | sically, the map name corresponds with the | te name of an application and all credentials with the same map name define a logical group of | credentian, such as the credentian used by the application. A | I map names in a credential store |
| No credent | ttals found. | quely identified by a ma | ap name and a key name. Typ | scally, the map name corresponds with the "Map Nameots trubs may | in name of an application and all credentials with the same map name define a logical group of | credentials, such as the credentials used by the application. A | I map names in a credential store |
| No credent | tais tound. | quely identified by a ma | ap name and a key name. Typ | scally, the map name corresponds with the Map Name often truos may | ie name of an application and all credentais with the same map name define a logical proup of ed | credentians, such as the credentians used by the application. A | 11 map names in a credential store |
| No credent | tais found. | quely identified by a ma | ap name and a key name. Typ | scally, the map name corresponds with the Map Name offs tools may | ia name of an application and all credentials with the same map name define a logical group of ed | cedentials, such as the credentials used by the application. A | I map names in a citedential store |
| No credent | tais found. Create Map A credendal is unit | quely identified by a ma | ap name and a key name. Typ | ocally, the map name corresponds with the Map Name of structure may | in name of an application and all evolvertails with the same map name define a logical group of rel | credentians, such as the credentians used by the application. A | I map names in a credential store |

 Click Create Key button Enter the details as below Select Map: ofss.fcubs.map Key: SYMMETRIC_KEY Type: Generic

| DEVINFRA O | | | | |
|--|------------------------|-----------------------|--------------------------------|-----------------------|
| Information The credential map, ofss.fcubs.map, ha | s been created. | | | |
| Domain_DEVINFRA/DEVINFRA > Credentials Credentials credential store is the repository of security d Credential Store Provider | ata that certifies the | authority of entities | s used by Java 2, Java EE, and | ADF applications. App |
| View 💌 🕂 Create Map 🕂 Create | Key 🖉 Edit | 🗙 Delete | Credential Key Name | |
| Credential | _ | | | _ |
| ofss.fcubs.map | Create Key | | | × |
| | Select Map | ofss.fcubs.map | Ŧ | |
| | * Key | SYMMETRIC_K | ΞY | |
| | Туре | Generic 🔻 | | |
| | Description | | | |
| | | Enter as | Enter map of property name | and value |
| | | text p | pairs | |
| | * Credential | oraclefinancialso | olutions | |
| | | | | |

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

8.





10.

11. Click Create

| E WebLogic Domain 👻 | | | | | | |
|--|------------------------------------|---|--------------------|------------------------|------|---|
| /Domain_DEVINFRA/DEVINFRA > System Policies System Policies | | | | | | |
| | | | | | | System policies are the system-wide policies To manage users and groups in the WebLo |
| Policy Store Provider | - | | | | | |
| P Policy Store Provider | | | | | | |
| 4 | | | | | | |
| A Search | | | | | | |
| Select a grant type and enter search keyword | d for code | ebase or princ | ipal to query syst | tem security grai | nts. | |
| Select a grant type and enter search keyword | i for code Type | ebase or princ Codebase | ipal to query syst | tem security grar | nts. | |
| Search Select a grant type and enter search keyword | d for code Type Name | ebase or princ Codebase Starts With | ipal to query syst | tem security gran ▼ | nts. | |
| Select a grant type and enter search keyword View Create | d for code Type Name Like | Codebase Starts With | ipal to query syst | tem security gran | nts. | |
| Select a grant type and enter search keyword View Create Create | l for code Type Name Like | ebase or princ Codebase Starts With | ipal to query syst | tem security gran ▼ | nts. | |
| Select a grant type and enter search keyword View Create Name | l for code Type Name Like | ebase or princ Codebase Starts With | ipal to query syst | tem security gran | nts. | |

13. Enter Codebase



| DEVINERA O | Mer 11, 2016 11:4 |
|--|--|
| Domain_DEVINFRADEVINFRA > 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 absolute nath or relative path. | a. Codebase policy grants permissions and privileges to a codebase, which is mostly URL or location of jar file in file system. Codebase can I |
| accords part of relative part. | |
| Grant To Codebase * | |
| Grant To Cootcase • Codebase | |
| Grant To Cotectase Codebase Permissions | |
| Grant To Codebase * Codebase | |
| Grant To Cosebase Codebase Permissions Vere Codebase Permission Class | Resource Name Permission |

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

| | INFRA 💽 |
|------------------------------------|---|
| /Domain_DEVI | - VFRA/DEVINFRA > System Policies > Create System Grant |
| Create Sy | stem Grant |
| There are two d absolute path o | ifferent types of system policies supported by application server: principal policy and codebase policy. Principal policy r relative path. |
| Grant To | Codebase • |
| * Codebase | file:\${fcubs.csf.path}/lib/fcubscommonscsf.jar |
| Permissions | |
| View 💌 | + Add 🖉 Edit 🗶 Delete 😭 Detach |
| Permissi | on Class |
| No permission | s added. |

17. Click Add. Click "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



| DEVINFRA O | | |
|--|---|---|
| Le WebLogic Doma | in 🔻 | |
| /Domain_DEVINFRA/DEVINF | RA > System Policies > Create System Grant | |
| Create System Gra | nt | |
| There are two different types o absolute path or relative path. | f system policies supported by application server: principal policy | and codebase policy. Principal policy grants permissions and privileges to a list of users or role |
| Grant To Codebase 🔻 | | |
| * Codebase file:S/feuba.co | nathMib/feubecommonecef.iar | |
| Couebase IIIE.\${ICUDS.cs | panyinneuscontinonsestjar | |
| Permissions | | |
| Add Permission | | |
| | Type Codeb | ase V |
| Search Results | Type Codeb Name Permission | ase • |
| Search Results | Type Codeb Name Permission Type Permission | ase |
| Search Results Name No permissions found. | Type Codeb Name Permission Type Permission | ase • |
| Search Results Name No permissions found. Select here to enter details for | Type Codeb Name Permission a new permission | ase |
| Search Results Name No permissions found. Select here to enter details for | Type Codeb Name Permission a new permission * Permission Class oracle | ase |
| Search Results Name No permissions found. Select here to enter details for | Type Codeb Name Permission a new permission I a new permission I e Permission Class oracle | ase |
| Search Results Name No permissions found. Select here to enter details for | a new permission 🖉 Permission Class rotect Resource Name context cont | ase ase ase ase ase ase ase ase |
| Search Results Name No permissions found. Select here to enter details for | Type Codeb Name Permission a new permission * Permission Class oracle. Resource Name contex Permission Actions read | ase asecurity jps.service.credstore.CredentialAccessPermission t=SYSTEM,mapName=ofss.fcubs.map.keyName=* |
| Search Results Name No permissions found. Select here to enter details for | a new permission Resource Name * Permission Class resource Name Resource Name Permission Actions read | security jps.service.credstore.CredentialAccessPermission t=SYSTEM.mapName=ofss.fcubs.map.keyName=* |
| Search Results Name No permissions found. Select here to enter details for | Type Codeb Name Permission a new permission * Permission Class oracle. Resource Name contex Permission Actions read | ase security jps.service.credstore.CredentialAccessPermission t=SYSTEM.mapName=ofss.fcubs.map.keyName=* |

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

| ORACLE Enterprise Manager Fusion Middloware Control 12c | | K WebLogic Domain * infra1221 |
|--|--------------------|-------------------------------|
| E DEVINFRA O | | Mar 11, 2016 11:44:41 |
| () Information | | |
| A new security grant has been added successfully. | | |
| /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. | | |
| O manage users and groups in the WebLogic Domain, use the <u>Oracle WebLogic Server Security Provider</u> . | | |
| Policy Store Provider | | |
| a Search | | |
| Select a grant type and enter search keyword for codebase or principal to query system security grants. | | |
| Type Codebase + | | |
| | | |
| Name Includes • csf | | |
| View v 🎽 Create 🖹 Create Like 🖋 Edit 💥 Delete | | F |
| 2 | | |
| Name | | |
| file:\${(tcubs.cst.path){ibit ubscommonscst]ar | | |
| | | |
| ⊿ Permissions for Codebase: file:\$(fcubs.csf.path)/libifcubscommonscsf.jar | | |
| | Permission Actions | Permission Class |
| Resource Name | | |

21. Restart the servers[Admin, Managed servers]





Application Server Installation Guide for OPSS - CSF [May] [2016] Version 12.2.0.0.0

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