Application Server Installation Guide for OPSS - CSF Oracle FLEXCUBE Universal Banking Release 14.5.2.0.0 Part No. F45976-01 [August] [2021]

FINANCIAL SERVICES

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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

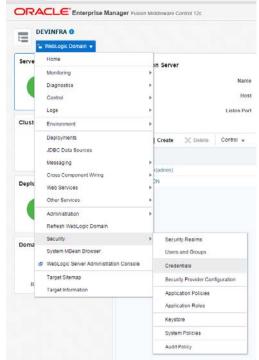
- 1. Select Basic Weblogic Server Domain
- 2. Select Oracle Enterprise Manager
- 3. Select Oracle JRF
 - a. [once we select Oracle JRF, tool selecting Weblogic Coherence Cluster Extension also]
- 4. Select application location [select default values]
- 5. Select admin account
- 6. Select domain mode & 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: <u>http://www.oracle.com/webfolder/technetwork/tutorials/obe/fmw/wls/12c/12_2_1/02-03-002-</u> CreateJRFEMDomain/createjrfemdomain.html#overview



1.4 Configure credential MAP and KEY

- 1. Copy the fcubscommonscsf.jar from INSTALLER/SOFT/LIBRARY/ofss to \$DOMAIN_HOME/lib
- 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.

ORACLE Enterprise Manager Fusion Microwske Control 12c	🎢 WesLop: Domain 🔻	mta122
E PEVINERA D		1, 3956 11/09-03
Doman_DE/NERADE/NERA + Commission		
Credentials A resolution to repository of security cale that retrieve the autority of initial uses by axis 2. Jains EE, and XOP applications. Applications can use the Credential Bone, is angle, consolitable server provider to stere and manage their ordentials security. 3: Credential Bone, is angle, consolitable server provider to stere and manage their ordentials security.		
New x Creater Map Conductory / Em		
Credential	Type Description	
No crudentals found		
Create Map		
A credental is uniquely identified by a map name and a key name. Typically, the map name corresponds with the name of an application and all ordeentals with the same map name define a logical group of redentals. Such as the credentalis used by		
* Notestian is anyong centions by a migritarity and any name, rypically, the map same composition into an analyzication and an othermals were the same may name come a signal group on reformance, such as we othermals used by * Map Name [obstcubs.map]	y the approacher, no map names in a creation soft mus	N DE OBERL
	OK	Cancel

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



9. Select Map: ofss.fcubs.map Key: SYMMETRIC_KEY

Type: Generic

Credentials: oraclefinancialsolutions OK

Domain_DEVINERA/DEVINERA > Credentials Credential Scredential store is the repository of security data that certifies the authority of entities used by Java 2, Java EE, and ADF applications. Ap Credential Store Provider View + + Create Map + Create Key Credential Credential Credential Credential Credential Select Map ofss.fcubs.map Create Key Select Map ofss.fcubs.map Create Ke	Information The credential map, ofss.fcubs.map, has b	een created.			
Credential store is the repository of security data that certifies the authority of entities used by Java 2, Java EE, and ADF applications. Applications are submitted with the certified of the cer	Domain_DEVINFRA/DEVINFRA > Credentials				
Credential Create Key Select Map ofss.ftubs.map Key SYMMETRIC_KEY Type Generic Description Enter as Enter map of property name and value text pairs	credential store is the repository of security data	that certifies the	authority of entities	used by Java 2, Java EE, and AD	F applications. Ap
Ofss.fcubs.map Create Key X Select Map ofss.fcubs.map * Key SYMMETRIC_KEY Type Generic Description @ Enter as @ Enter map of property name and value text pairs	View 👻 🕂 Create Map 🕂 Create Ke	y / Edit	🗙 Delete	Credential Key Name	
Select Map ofss.fcubs.map	Credential				
* Key SYMMETRIC_KEY Type Generic Description © Enter as © Enter map of property name and value text pairs	ofss.fcubs.map	Create Key			×
Type Generic Description Enter as Enter map of property name and value text pairs		Select Map	ofss.fcubs.map		
Description Enter as O Enter map of property name and value text pairs		* Key	SYMMETRIC_KE	Y	
Enter as O Enter map of property name and value text pairs		Туре	Generic 🔻		
text pairs		Description			
* Credential oraclefinancialsolutions					d value
		* Credential	oraclefinancialsol	utions	4



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

Ξ	CEVINERA 0	
Inf	Home	
The	Monitoring	ed.
main,	Diagnostics	•
ede	Control	•
reden	Logs	+ the authority of entities used by Java 2, Java E
Cree	Environment	•
ew 1	Deployments	dit 🗙 Delete Credential Key Nam
	JDBC Data Sources	
	Messaging	>
	Cross Component Wiring	
	Web Services	
		▶
	Administration	
	Refresh WebLogic Domain Security	Security Realms
	System MBean Browser	occurity realing
	WebLogic Server Administration Console	Users and Groups
		Credentials
	Target Sitemap	Security Provider Configuration
	Target Information	Application Policies
		Application Roles
		Keystore
		System Policies
		Audit Policy

11. Click Create

ORACLE Ente	erprise Manager F	Fusion Middle	ware Control 12	c
DEVINFRA O	n v			
/Domain_DEVINFRA/DEVINFR	A > System Policies			
System Policies System policies are the system To manage users and group				o current management domain. Ye ic Server Security Provider.
 Policy Store Provider Search Select a grant type and enter set 	earch keyword for cod	ebase or prin	cipal to query sy	stem security grants.
	Туре	Codebase		×
	Name	Starts With	•	•
View 👻 🎽 Create	📳 Create Like	🥒 Edit	🗙 Delete	
1				
Name				
No security policies found.				



12. Enter Codebase

ORACLE Enterprise Manager Fusion Middleware Control 12:	E WebLogic Domain	r v infat221 v ····
E DEVINERA O	Mar	11, 2016 11:41:40 AM IST 🕥
Conan_DEVMPRADEVNPRA - System Porces - Cruste System Crust		
Create System Grant		OK Cancel
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 codeb application server.	ase, which is mostly URL or location of jar file in file system. Co	idebase can be either
Grant To Codebase •		
* Codebase		
Permissions		
Mew + + Add // Edit. () Delath. () Delath		
Permission Class	Resource Name P	Permission Actions
No permissions added / /		

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

ORACLE Enterprise Manager Fusion Middleware Control 12c
DEVINFRA O
/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 gra absolute path or relative path.
Grant To Codebase 🔻
*Codebase file:\$(fcubs.csf.path)/lib/fcubscommonscsf.jar
Permissions
View 🗸 🕂 Add 🖉 Edit 💥 Delete 📓 Detach
Permission Class
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

ORAC	LE [®] Enterprise Mana	ger Fusion Middl	eware Control 12c					
	INFRA 💿 /ebLogic Domain 👻							
/Domain_DEVI	NFRA/DEVINFRA > System Pol	icles > Create Sys	lem Grant					
Create Sy	stem Grant							
There are two of absolute path of	different types of system policies or relative path	supported by app	lication server: principa	al policy and codebase (policy. Principal policy gra	nts permissions ar	d privileges to a list of users	or roles. Code
	Codebase V							
* Codebase	file:\${fcubs.csf.path}/lib/fcubsc	ommonscsf.jar						
Permissions								
Add Permissi	on							
Search Search	lissions and resources used in s	ystern poincies of t		Codebase	v			
Name		Туре	Permission					
No permissions	found.							
Select here to e	nter details for a new permissi			context=SYSTEM,map	vice.credstore.CredentialA Name=ofss.fcubs.map.key			

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

ORACLE Enterprise Manager Rusion Modeware Control 12c		😸 WeoLopc Domain * infta1221 * 🚥
E Perlogitoria v		1660 23, 2216 1254641 AM 157 🛫
() Information A new security guarthas been added saccessfully.		8
Dorum_DEVNFRADEVNFRA = System Polices		
System Policies		
Upther policies are the system-wide policies applications deployed to current management comain. You can prant typical permissions and privileges to principal or codecase. If its manage cases and groups in the Velocipic Comain, use the <u>Opcide NetoCore Server Pervice</u> .		
Policy Stare Provider		
# Search		
Belect a grant type and enter search keyword br codebase or principal to query system security grans.		
Type Codebase ·		
Name includes + cat		
View = 🕍 Create Like., 🖋 Cet., 🗶 Delete		🔄 🗟 Detach
2		
Name		
file \$1tude_stadb/lbftudecommensed/ar		
# Permissions for Codebase: file:\$(fcubs.csf.path)/lib/fcubscommonscsf.jar		
Resource Name	Permission Actions	Permission Class
context=3#STEM,mapName+otextRob.mapJeyHame+*	mat	oracle, security, pit service creditore. Crece

17. click OK for create System Grant

18. Restart the servers[Admin, Managed servers]





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