Oracle HTTP Server 11g R1 Configuration for FLEXCUBE Oracle FLEXCUBE Universal Banking Release 12.2.0.0.0 [May] [2016]



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1. Purpose

The objective of this document is to explain the installation and configuration of Oracle HTTP Server 11g R1 (11.1.1.6.0). This includes setting up of server details, configuration of compression rules and enabling SSL.

2. Introduction to Oracle HTTP Server (OHS)

Oracle HTTP Server is the Web server component for Oracle Fusion Middleware. It is based on Apache web server, and includes all base Apache modules and modules developed specifically by Oracle. It provides a HTTP listener for Oracle WebLogic Server and the framework for hosting static pages, dynamic pages, and applications over the Web. Key aspects of Oracle HTTP Server are its technology, its serving of both static and dynamic content and its integration with both Oracle and non-Oracle products.

Oracle HTTP Server consists of several components that run within the same process. These components provide the extensive list of features that Oracle HTTP Server offers when handling client requests. Following are the major components:

2.1 HTTP Listener

Oracle HTTP Server is based on an Apache HTTP listener to serve client requests. An HTTP server listener handles incoming requests and routes them to the appropriate processing utility.

2.2 Modules (mods)

Modules extend the basic functionality of Oracle HTTP Server, and support integration between Oracle HTTP Server and other Oracle Fusion Middleware components. There are modules developed specifically by Oracle for Oracle HTTP Server. Ex: mod_wl_ohs, mod_plsql

Oracle HTTP Server also includes the base Apache and third-party modules out-of-the-box. These modules are not developed by Oracle. Ex: mod_proxy, mod_perl



3. Installation of OHS 11g

Invoke the setup exe to start the installation

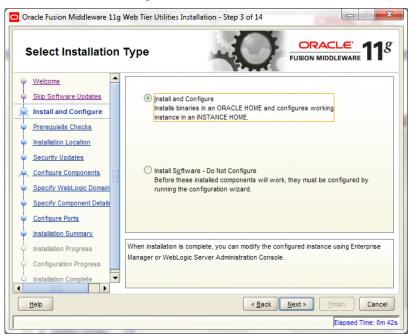


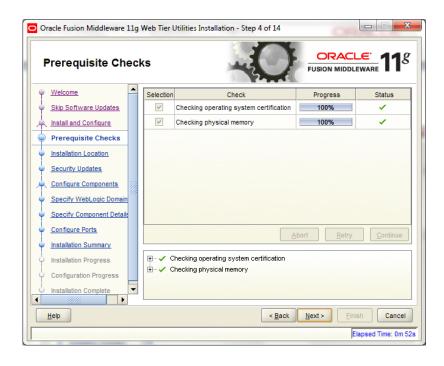
Select Skip Software Updates

Skip Software Updates Search My Oracle Support for Updates	
Us <u>e</u> r Name:	
Password:	
Search Local Directory for Updates Local Directory:	se
Search For Updates	
	Search My Oracle Support for Updates Usgr Name: Password: Proxy Settings Test Connection Search Local Directory:



Select Install and Configure







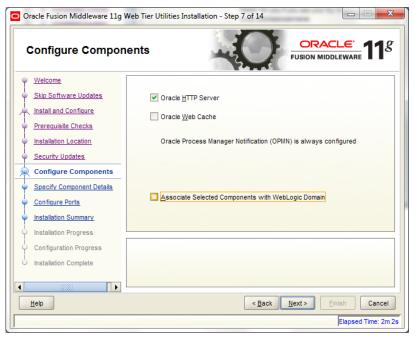
Oracle Fusion Middleware 11g Wel		
<u>Secondy optimes</u>	racie <u>M</u> iddleware Home: C:\Oracle\ racie Home Directory: Oracie_W	Aiddleware ▼ Browse
	An Application Server must already be	

Oracle Fusion Middleware 11g	Web Tier Utilities Installation - Step 6 of 14
Specify Security U	
Welcome	Provide your email address to be informed of security issues, install the product
Skip Software Updates	and initiate configuration manager. View details.
A Install and Configure	Email:
Prerequisite Checks	Easier for you if you use your My Oracle Support
Installation Location	email address/username.
Security Updates	uish to receive security updates via My Oracle Support.
Configure Components	My <u>O</u> racle Support Password:
Specify WebLogic Domain	
Specify Component Details	
<u>Configure Ports</u>	
Installation Summary	
O Installation Progress	
Configuration Progress	
Installation Complete	
<u>H</u> elp	< Back Next > Einish Cancel
	Elapsed Time: 1m 27s





Select only Oracle HTTP Server





Oracle Fusion Middleware 11g Web Tier Utilities Installation - Step 8 of 13 **Specify Component Details** Welcome Skip Software Updates Install and Configure C:\Oracle\Middleware\Oracle_ Browse Instance Home Location: Prerequisite Checks Instance Name: instance2 Installation Location Security Updates Configure Components ohs1 OHS Component Name: Specify Component Detail: Configure Ports Installation Summary Installation Progress Instance name must begin with an alphabetic character, may only contain alphanumeric Configuration Progress characters, or the underscore (_) or hyphen (-) characters and are 4 to 30 characters Installation Complete long. • Help < Back Next > Finish Cancel Elapsed Time: 24m 12s

Oracle Fusion Middleware 11g V	Veb Tier Utilities Installation - Step 9 of 13
Configure Ports	FUSION MIDDLEWARE 118
Welcome Skip Software Updates Install and Configure Prerequisite Checks Installation Location Security Updates Configure Components Specify Component Details Installation Progress Configureation Progress Configuration Progress Installation Complete	Auto Port Configuration Specify Ports using Configuration file Eile name: C:\Users\nmb\staticports.ini Browse View/Edit File
Leb	< <u>Back</u> <u>Next></u> Einish Cancel Elapsed Time: 20m 57s

Enter the required OHS instance and component names





Oracle Fusion Middleware 11g	Web Tier Utilities Installation - Step 12 of 13	
Configuration Proc		
Welcome	Configuration Tools	
Skip Software Updates	Name	Progress
Install and Configure	🖃 🖳 🖌 Web Tier Configuration	100%
Prerequisite Checks	······ Create and Start AS Instance (instance2)	Success
Installation Location	Create and Start OHS Component (ohs1) Create Shortcuts	Success
Security Updates		*
Configure Components		
Specify Component Details		
Configure Ports	<u>Abort</u> <u>R</u> etr	y C <u>o</u> ntinue
Installation Summary	Configuration Log Location: C:\Program Files\Oracle\Inventory\logs\install2013-01-09_12-18-24PM.log	
Installation Progress		
Configuration Progress	🖅 🗸 Web Tier Configuration	
Installation Complete		
Help	< <u>B</u> ack <u>N</u> ext >	Einish Cancel
		Elapsed Time: 29m 22s
,		





Installation Compl		8
Welcome	⊡Type: Install and Configure	4
Skip Software Updates	ELocation: C:\Oracle\Middleware\Oracle_WT1	
C Install and Configure		200
Prerequisite Checks		
i Installation Location	⊟Disk Space	
Security Updates	-Oracle Home	
Configure Components	Available: 261442 MB	
Specify Component Details	⊡Oracle Instance Home	
Configure Ports	·····Instance Home Size: 17.269 MB	•
_		
Installation Summary	Save Installation Summary: Save	
Installation Progress		_
Configuration Progress		
Installation Complete	Oracle Fusion Middleware 11g Web Tier Utilities installed and configured successfully.	
Help	< Back Next > Finish Cance	

This completes the installation of Oracle HTTP Server with <Instance> and <component>. Example: Instance is instance1 and component is ohs1.

If you would like to change the port after the installation(OHS Listen Port) edit

\$ORACLE_INSTANCE/config/OHS/<component_name>/httpd.conf and change the listen port.

NOTE: This port is for http protocol and not for https.

```
🗎 httpd.conf
182 #
183 # Listen: Allows you to bind Apache to specific IP addresses and/or
184 # ports, instead of the default. See also the <VirtualHost>
185
     # directive.
186 #
     # Change this to Listen on specific IP addresses as shown below to
187
188 # prevent Apache from glomming onto all bound IP addresses (0.0.0.0)
189 #
      # Listen 12.34.56.78:80
     # OHS Listen Port
     Listen 7777
196 # Dynamic Shared Object (DSO) Support
197
198 # To be able to use the functionality of a module which was built as a DSO you
199 # have to place corresponding 'LoadModule' lines at this location so the
     # directives contained in it are actually available _before_ they are used.
201
     # Statically compiled modules (those listed by `httpd -l') do not need
202
     # to be loaded here.
203 #
204 # Example:
205 # LoadModule foo_module "${ORACLE_HOME}/ohs/modules/mod_foo.so"
```



4. Configure Oracle HTTP Server infront of Weblogic Server

In Oracle HTTP Server requests from Oracle HTTP Server to Weblogic server are proxied using mod_wl_ohs module. This configuration file needs to be modified to include the Weblogic server and port details.

mod_wl_ohs.conf file is located at

{ORACLE_INSTANCE}/config/OHS/{COMPONENT_NAME}/mod_wl_ohs.conf

Add the below directives to mod_wl_ohs.conf file.

4.1 For WebLogic in single instance

<Location /<<context/url>> >

SetHandler weblogic-handler

WebLogicHost <<server name>>

WeblogicPort <<port>>

</Location>

Example:

<Location /FCJNeoWeb>

SetHandler weblogic-handler

WebLogicHost wlserver1

WeblogicPort 7707

</Location>

This will forward /FCJNeoWeb from HTTP server to /FCJNeoWeb on WebLogic Server wlserver1: 7707

```
mod_wl_ohs.cont
 1 # NOTE : This is a template to configure mod_weblogic.
 3 LoadModule weblogic_module "${ORACLE_HOME}/ohs/modules/mod_wl_ohs.so"
4 LoadModule deflate_module "${ORACLE_HOME}/ohs/modules/mod_deflate.so"
 5
 6 # This empty block is needed to save mod w1 related configuration from EM to t
 7 <IfModule weblogic_module>
 8 #
         WebLogicHost <WEBLOGIC HOST>
 9 #
           WebLogicPort <WEBLOGIC_PORT>
10 #
          Debug ON
           WLLogFile /tmp/weblogic.log
11 #
12 #
           MatchExpression *.jsp
13 </IfModule>
14
15 # <Location /weblogic>
16
   #
           SetHandler weblogic-handler
17 #
           PathTrim /weblogic
18
           ErrorPage http:/WEBLOGIC HOME:WEBLOGIC PORT/
    #
19 # </Location>
        <Location /FCJNeoWeb>
             SetHandler weblogic-handler
             WebLogicHost wlserver1
             WebLogicPort 7707
         </Location>
```



4.2 For Weblogic instances in cluster

<Location /<<context/url>> >

SetHandler weblogic-handler

WebLogicCluster <server1>:<port1>,<server2>:<port2>

</Location>

Example

<Location / FCJNeoWeb >

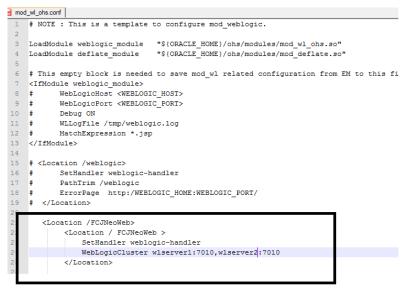
SetHandler weblogic-handler

WebLogicCluster wlserver1:7010, wlserver2:7010

</Location>

This will forward /FCJNeoWeb from HTTP server to /FCJNeoWeb on WebLogic Cluster wlserver1:7010 and

wlserver2:7010





5. Enable "WebLogic Plug-In Enabled" flag in weblogic

This flag needs to be enabled in weblogic if it is accessed through proxy plugins. When the WebLogic plugin is enabled, a call to getRemoteAddr will return the address of the browser client from the proprietary WL-Proxy-Client-IP header instead of the web server.

- a. Plugin flag at managed server level
 - i. Click on 'Environment'- > 'Servers' -> '<ManagedServer>' -> 'General' -> 'Advanced'
 - ii. Check the 'WebLogic Plug-In Enabled' box.
 - iii. Click 'Save'
 - iv. Restart the Server.
- b. Plugin flag at domain level
 - v. Click on <Domain> -> 'Web Applications'
 - vi. Check the 'WebLogic Plug-In Enabled' box.
 - vii. Click 'Save'
 - viii. Restart the server.

6. Compression rule setting

Content compression in Oracle HTTP Server is done using mod_deflate. This can compress HTML, text or XML files to approx. 20 - 30% of their original sizes, thus saving on server traffic. However, compressing files causes a slightly higher load on the server, but clients' connection times to server is reduced.

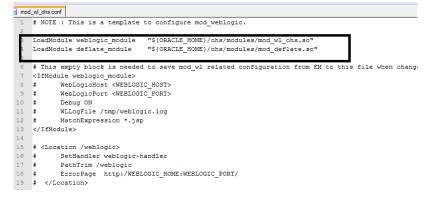
6.1 Loading mod_deflate

mod_deflate is used for compression in OHS and this is installed in Oracle HTTP Server under location "\${ORACLE_HOME}/OHS/modules/mod_deflate.so"

But it might not be loaded.

To load the file add the below directive in mod_wl_ohs.conf file

LoadModule deflate_module "\${ORACLE_HOME}/OHS/modules/mod_deflate.so"





6.2 Configuring file types

mod_deflate also requires to specify which type files are going to be compressed. In the LOCATION section of mod_wl_ohs.conf file add the below entries.

AddOutputFilterByType DEFLATE text/plain AddOutputFilterByType DEFLATE text/xml AddOutputFilterByType DEFLATE application/xhtml+xml AddOutputFilterByType DEFLATE text/css AddOutputFilterByType DEFLATE application/xml AddOutputFilterByType DEFLATE application/x-javascript AddOutputFilterByType DEFLATE text/html SetOutputFilterDEFLATE

Images are supposed to be in a compressed format, and therefore are bypassed by mod_deflate.

23 24	WebLogicHost wlserverl WebLogicPort 7707
6 7	AddOutputFilterByType DEFLATE text/plain AddOutputFilterByType DEFLATE text/xml AddOutputFilterByType DEFLATE application/xhtml+xml
9	AddOutputFilterByType DEFLATE text/css AddOutputFilterByType DEFLATE text/css
1 1 1 3	AddOutputFilterByType DEFLATE application/x-javascript AddOutputFilterByType DEFLATE text/html SetOutputFilter DEFLATE

6.3 httpd.conf file changes

This is a server configuration file which typically contains directives that affect how the server runs, such as user and group IDs it should use, and location of other files. Cross check the existence of mod_wl_ohs.conf include in httpd.conf file.

httpd.conf file is present under location

"\${ORACLE_INSTANCE}/config/OHS/{COMPONENT_NAME}/httpd.conf"

In this file cross check for the below entry

include "\${ORACLE_INSTANCE}/config/OHS/\${COMPONENT_NAME}/mod_wl_ohs.conf"

If above include entry is not present, then add the above include section.



#Urectives to setup logging via ODL OraLogDir "\$(ORACLE_INSTANCE)/diagnostics/logs/\$(COMPONENT_TYPE)/\$(COMPONENT_NAME)" OraLogSeverity WARNING:32 OraLogSeverity WARNING:





7. Configuring SSL for Oracle HTTP Server

Secure Sockets Layer (SSL) is required to run any Web site securely. Secure Sockets Layer (SSL) is an encrypted communication protocol that is designed to securely send messages across the Internet.

Reading of "**SSL_Configuration on Weblogic**" document provided as part of FCUBS installation is recommended before proceeding with further setup.

In Oracle HTTP server, SSL configuration can be done between

- 1. Browser to Oracle HTTP Server(Mandatory)
- 2. Oracle HTTP Server to Oracle Weblogic Server(If required)

7.1 SSL configuration for Inbound Request to Oracle HTTP Server

Perform these tasks to enable and configure SSL between browser and Oracle HTTP Server.

1. Obtain a certificate from CA or create a self signed certificate.

2. Create an Oracle Wallet which contains the above SSL Certificate. The default wallet that is automatically installed with Oracle HTTP Server is for testing purposes only. The default wallet is located in "\${ORACLE_INSTANCE}/config/OHS/\${COMPONENT_NAME}/keystores/default"

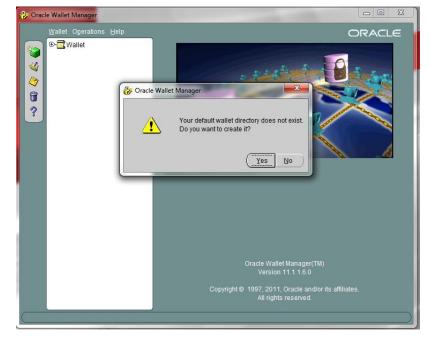
3. Configuring Wallet in ssl.conf file

7.1.1 Create a new Wallet and import Certificate

1. Go to the \Oracle_WT1\bin\launch.exe, this will launch your wallet manager

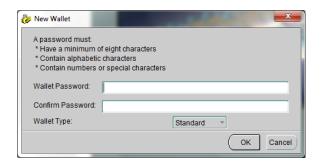




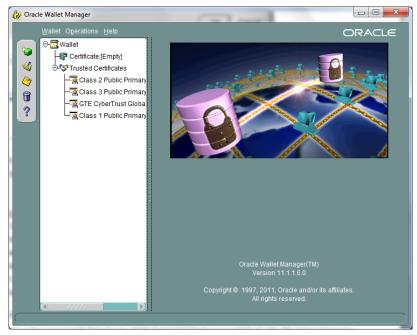


2. Click on Create new and then click no option.

3. Enter the wallet password and click on OK, this will create a new wallet.

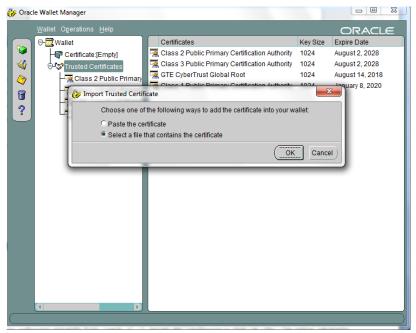






4. Not it will ask for certificate request creation, Click on NO to proceed

5. Right click on trusted certificates and then import trusted certificate.

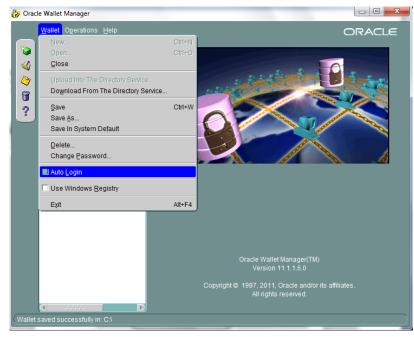




Oracle Wallet Manager	La far to Logard the Re-		
Wallet Operations Help			ORACLE
	Certificates	Key Size	Expire Date
Trusted Certificates	Class 2 Public Primary Certification Au		August 2, 2028
Class 2 Public Prim	Class 3 Public Primary Certification Au GTE CyberTrust Global Root	tho 1024 1024	August 2, 2028 August 14, 2018
			August 14, 2018
Trusted			×
2 Look in:	🔰 ssl 👻	G 🤌 📂 🖽]▼
(Arra)	Name	Date modified	Туре
	7314649_nmb-pc.cert	1/16/2013 2:47	PM CERT File
Recent Places	7314649_nmb-pc.key	1/16/2013 2:47	
	95901526_nmb-pc.in.oracle.com.cert	1/16/2013 2:52	
	keytool commands.txt	1/21/2013 5:04	
Desktop	test.cer	1/15/2013 2:50	
	testidentity.jks	1/15/2013 2:50	
Libraries	testtrust.jks	1/15/2013 2:51 1	PIVI JKS FILE
Libraries			
Computer			
	٠ III		- F
Network	File name: test.cer		Open
	Files of type: All Files (*.*)	•	Cancel

6. Browse to the folder where certificate is stored and click on Open

- Click on Save Wallet button on the left side navigation and save the wallet either to default location("\${ORACLE_INSTANCE}/config/OHS/\${COMPONENT_NAME}/keystores/default") or folder of your choice.
- 8. Click on Wallet tab and enable Auto Login





7.1.2 Configuring Wallet in ssl.conf file

In ssl.conf file the newly created wallet need to updated. This file is located under folder

"\${ORACLE_INSTANCE}/config/OHS/\${COMPONENT_NAME}/

1. Change the SSLWallet directive to point to the location of new wallet created.

SSLWallet "\${ORACLE_INSTANCE}/config/\${COMPONENT_TYPE}/\${COMPONENT_NAME}/keystores/"

4	 MADE ONE CAPTERS THAT THE CIACHT IS PERMITTED TO HEQUITATE. SSLCipherSuite SSL_RSA_WITH_RC4_128_MD5, SSL_RSA_WITH_RC4_128_SHA, SSL_RSA_WITH_3DES_EDE_CBC_SHA, SSL_RSA_WITH_DES_CBC_S AES_256_CBC_SHA
5 6 7 8	# SSL Certificate Revocation List Check # Valid values are On and Off SSLCRLCheck Off
9 0 1	<pre>#Path to the wallet SSLWallet "\${ORACLE_INSTANCE}/config/\${COMPONENT_TYPE}/\${COMPONENT_NAME}/keystores/"</pre>
2	
3	<filesmatch "\.(cgi shtml phtml php)\$"=""></filesmatch>
4	SSLOptions +StdEnvVars
5 6	
o 7	<directory "\${oracle="" \${component="" cgi-bin"="" config="" instance}="" name}="" type}=""></directory>
8	SILODIONS +StdErWars
9	
1	BrowserMatch ".*MSIE.*" \
2	nokeepalive ssl-unclean-shutdown \
3	downgrade-1.0 force-response-1.0
4	
5	
6	
7	
8	
0	

2. Change the Listen port number in ssl.conf file to the SSL enabled port, by default the value is 4443





7.2 Configuring SSL between Oracle HTTP Server and Oracle Weblogic Server

SSL for outbound requests from Oracle HTTP Server are configured in mod_wl_ohs.

Refer to "**SSL_Configuration on Weblogic**" document for weblogic server setting mentioned in below section.

7.2.1 Turn off KeepAliveEnabled

The below parameter in mod_wl_ohs should be turned off, by default it is on. Add the below directive under LOCATION section of mod_wl_ohs file

KeepAliveEnabled OFF

9	
5	AddOutputFilterByType DEFLATE text/plain
r	AddOutputFilterByType DEFLATE text/xml
8	AddOutputFilterByType DEFLATE application/xhtml+xml
)	AddOutputFilterByType DEFLATE text/css
	AddOutputFilterByType DEFLATE application/xml
	AddOutputFilterByType DEFLATE application/x-javascript
	AddOutputFilterByType DEFLATE text/html
3	SetOutputFilter DEFLATE
	
	KeepAliveEnabled OFF
;	
/	W1SSLWallet "D:\misc\ssl\"
<td>ocation></td>	ocation>
2	

7.2.2 To enable one-way SSL

- 1. Generate a custom keystore identity.jks for Weblogic Server containing a certificate.
- 2. At Identity section in Keystores tab in weblogic Admin Console for server set
 - a. The custom trust store with the identity.jks file location
 - b. The keystore type as JKS
 - c. The passphrase used to created the keystore

		ive been act ted successf		restarts	are ne	ecessary.							
•	- · ·		ully.										
		inServer											
Configur	ration	Protocols	Logging	Debug	g Mo	onitoring	Control	Deployments	Services	Security	Notes		
General	Cluste	r Service	s Keyst	ores	SSL	Federatio	on Services	Deployment	Migration	Tuning	Overload	Health Monitoring	Server Star
Save													
Keystor	esensure	the secure	storage an	d manac	ement	t of private	keys and t	trusted certificate	e authorities	(CAs), This	page lets vo	u view and define va	rious keystore
		ne security o											
Keystor							Custom Is	dentity and Custo	m Trust Ch		Which c	onfiguration rules sho	uld be used f
AC Y SCOT	C.3.						Custom It	dentity and cust	in must ch	ange		stores? More Info	
– Identi	ity —												
		y Keystore	:				D:\miso	c\testidentity.j	ks		The pat	t and file name of th	e identity key:
Custom	Identit							c\testidentity.j	ks				
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Custom Custom	Identit Identit		Туре:	se:				c\testidentity.j	ks		The typ	e of the keystore. Ge pypted custom identi	enerally, this is
Custom Custom Custom	Identity Identity Identity	y Keystore y Keystore	Type: Passphra				JKS	c\testidentity.j	ks		The typ	e of the keystore. Ge	enerally, this is
Custom Custom Custom	Identity Identity Identity	y Keystore	Type: Passphra		rase:		JKS	c\testidentity.j	ks		The typ	e of the keystore. Ge pypted custom identi	enerally, this is
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Custom Custom Custom Confirm – Trust Custom	Identity Identity Identity Custom Trust K	y Keystore y Keystore n Identity I eystore:	Type: Passphra (eystore F		rase:		JKS				The typ The end keystor The pat	of the keystore. Ge wpted custom identi ewill be opened with h and file name of th	enerally, this is ty keystore's p out a passphra e custom trust
Custom Custom Custom Confirm – Trust Custom	Identity Identity Identity Custom Trust K	y Keystore y Keystore 1 Identity I	Type: Passphra (eystore F		rase:		JKS				The typ The end keystor The pat	of the keystore. Ge a ypted custom identi ewill be opened with	enerally, this is ty keystore's p out a passphra e custom trust



- 3. Copy the certificate to Oracle HTTP Server and import the new certificate into OHS wallet as a trusted certificate.
- 4. Add following new directive in mod_wl_ohs.conf to point to the wallet location

WISSLWallet "\${ORACLE_INSTANCE}/config/OHS/{COMPONENT_NAME}/keystores/default"

5. Change the port in mod_wl_ohs file to point to SSL port of Weblogic server.



6. Restart both Weblogic Server and Oracle HTTP Server

7.2.3 To enable two-way SSL

- 1. Perform one-way SSL configuration steps
- 2. Generate a new trust store, trust.jks for Weblogic server
- 3. Keystore created for one-way SSL could be used, but it is recommended to create a separate truststore
- 4. Export the user certificate from Oracle HTTP Server wallet, and import it into truststore created above
- 5. At Trust section in Keystores tab in Weblogic Admin Console for the server set
 - a. The custom trust store with the trust.jks file location
 - b. The keystore type as JKS
 - c. The passphrase used to created the keystore

lessages													
_							odate your	SSL Configuration	n. Please rev	view your s	ettings on th	e SSL tab.	
-		e been act		restarts	are ne	cessary.							
Setting	gs updati	ed successf	ully.										
ettings fo	or Admi	Server											
Configura	ation	Protocols	Logging	Debug	Ma	onitoring	Control	Deployments	Services	Security	Notes		
General	Cluster	Service	s Keyst	ores	SSL	Federatio	on Services	s Deployment	Migration	Tuning	Overload	Health Monitoring	Server Start
Save													
oure													
						t of private	e keys and	trusted certificat	e authorities	(CAs). Thi	s page lets y	ou view and define va	rious keystore c
you to ma	anage th	e security o	of message	transmis	sions.								
Keystores:					Custom I	dentity and Custo	om Trust Ch	Which	Which configuration rules should be used for				
											trust k	eystores? More Info	
— Identit	y												
Custom I	Identity	Keystore					D:\mis	c\testidentity.j	ks		The pa	th and file name of th	e identity keysta
Custom I	Identity	Keystore	Type:				JKS				The ty	pe of the keystore. G	enerally, this is 3
Custom I	Identity	Keystore	Passphra	ase:								crypted custom identi	
											keysta	re will be opened with	out a passphras
Confirm (Custom	Identity I	Keystore I	Passphr	rase:			•					
Trust -													_
Custom 1	Trust Ke	ystore:					D:\mis	c\\testtrust.jks			The pa	th and file name of th	e custom tr st k
Custom 1	Custom Trust Keystore Type:					JKS The type of the keystore. Genera							
Custom Trust Keystore Passphrase:					••••••					The custom trust keystore's passphrase If be opened without a passphrase. Mor In			



6. Under the SSL tab

Ensure trusted CA is set as from Custom Trust Keystore.

Home >base_domain >Su			,							
ttings for AdminSer	ver									
onfiguration Proto	ocols Logging	Debug	Monitoring	Control	Deployments	Services	Security	Notes		
General Cluster <u>S</u>	ervices Keys	tores 55	L Federatio	on Services	Deployment	Migration	Tuning	Overload	Health Monitoring	
Save	Configurat	ion - Servio	:es- Tab							
This page lets you view	v and define va	ious Secure	Sockets Laye	r (SSL) setti	ngs for this serv	er instance.	These setti	ngs help you	u to manage the secur	rity
Identity and Trust Locations:					es Change		Indicates where SSL should fir key) as well as the server's tri			
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7. Restart Weblogic Server

8. Sample Configuration Files



9. Starting, Stopping, and Restarting Oracle HTTP Server

Navigate to the below location in command prompt \${ORACLE_INSTANCE}/bin/ and run below commands

9.1 Start

opmnctl startproc ias-component={COMPONENT_NAME} Example: opmnctl startproc ias-component=ohs1

9.2 **Stop**

opmnctl stopproc ias-component={COMPONENT_NAME} Example: opmnctl stopproc ias-component=ohs1

9.3 Restart

opmnctl restartproc ias-component={COMPONENT_NAME} Example: opmnctl restartproc ias-component=ohs1



10. Test the application

Test the application deployed on Weblogic using Oracle HTTP Server after restarting both the oracle http server and weblogic server https://ohs_servername:ohs_https_port/<<context/url>> http://ohs_servername:ohs_http_port/<<context/url>> ohs_servername: server on which OHS is deployed ohs_https_port: port number mentioned against LISTEN directive in SSL.conf file ohs_http_port: port number mentioned against LISTEN directive in httpd.conf file Example: https://localhost:4443/FCJNeoWeb/welcome.jsp Or http://localhost:7777/FCJNeoWeb/welcome.jsp

11. Server Logs Location

Oracle HTTP Server Logs are generated under folder \${ORACLE_INSTANCE}/diagnostics/logs/OHS/{COMPONENT_NAME}/

12. References

SSL_Configuration.doc for Weblogic provided as part of FCUBS installation. http://docs.oracle.com/cd/E16764_01/web.1111/e10144/under_mods.htm

http://docs.oracle.com/cd/E25054_01/core.1111/e10105/sslconfig.htm



ORACLE

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