IDCS-OBAPI Setup Guide Oracle Banking APIs Patchset Release 21.1.3.0.0

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### ORACLE

IDCS-OBAPI Setup Guide November 2021

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# 1. Preface

### 1.1 Intended Audience

This document is intended for the following audience:

- Customers
- Partners

### 1.2 **Documentation Accessibility**

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <a href="http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.">http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.</a>

### 1.3 Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit

http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit

http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs\_if you are hearing impaired.

### 1.4 Structure

This manual is organized into the following categories:

Preface gives information on the intended audience. It also describes the overall structure of the User Manual.

The subsequent chapters describes following details:

- Introduction
- Preferences & Database
- Configuration / Installation.

### 1.5 Related Information Sources

For more information on Oracle Banking APIs Patchset Release 21.1.3.0.0, refer to the following documents:

Oracle Banking APIs Installation Manuals



# 2. Pre-requisite step:

### 2.1 To create groups and user in IDCS

1. Access your Oracle Identity Cloud Service instance (for example: https://<tenant-baseurl>/ui/v1/adminconsole) and log in with your Identity Domain Administrator credentials.

#### **Glossary of Parameters:**

<tenant-name></tenant-name>	Tenant name of your IDCS instance
<tenant-base-url></tenant-base-url>	Tenant base URL used to access your IDCS instance
<base-url></base-url>	Base URL used to access your IDCS instance without tenant name

2. Click on **Add a group** button shown below.

≡ 💈ZigBank ıda	entity Cloud Service				AO
Welcome admin@ Watch the Video	oracle.com		<ul> <li>Here's what you can do:</li> <li>Onboarding Users and Groups</li> <li>Onboarding Applications</li> <li>Auditing the System, Users, and Groups</li> <li>Managing Security Settings</li> <li>Performing End-User Service</li> </ul>		
Filter by Date Range Last 30 Days	•				
Users	🛶 🍰	Applications		Groups	Add a group
190 <sub>Total</sub>	Ň	50 <sub>Total</sub>		9 <sub>Total</sub>	· <b>N</b> ·
9 Created	0 Removed	8 Created	0 Removed	0 Created	0 Removed
Passwords		Logins		All Reports	
27	Ŷ	219	R	5	



Add Group	
Step 1: Groups De <sup>*</sup>	administrator
User can request access	Administrator
	Next Finish

3. Enter the group name and group description for 'administrator' as shown below.

4. Click Finish. You will get a message 'Group administrator has been successfully added.'



5. On **Groups** screen, click on **Create a group** button. Enter the group name and group description for 'retailuser' as shown below.

Add Group	:	¢
Step 1: Groups De	tails	
* Name	retailuser	
Description	Retail User	
User can request access	a.	
	Next Finish	

6. Click Finish. You will get a message 'Group retailuser has been successfully added.'



7. On **Groups** screen, click on **Create a group** button. Enter the group name and group description for 'corporateuser' as shown below.

Add Group	×
Step 1: Groups De	tails
* Name	corporateuser
Description	Corporate User
User can request access	
	Next Finish

8. Click Finish. You will get a message 'Group corporateuser has been successfully added.'



E SZigBank Identity Cloud Service						
Welcome admin@oracle.com Watch the Video Learn More What's New			<ul> <li>Here's what you can do:</li> <li>Onboarding Users and Groups</li> <li>Onboarding Applications</li> <li>Auditing the System, Users, and Groups</li> <li>Managing Security Settings</li> <li>Performing Self-Service Diagnostics</li> <li>Customizing the Service</li> <li>Performing End-User Self Service</li> </ul>			
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9 Created	0 Removed	8 Created	0 Removed	0 Created	0 Removed	
Passwords		Logins		All Reports		
27	Ŷ	218	<b>%</b>	5		

9. Click on Add a user button on Dashboard screen as shown below.



10. On the next screen, enter details of a new user 'superadmin' shown below.

Add User	×
Step 1: Add User Details	
The user name will be used to log in, and the email address will be flagged as the primary email address for the user.	
* First Name super	
* Last Name admin	
* User Name superadmin	
* Email john.doe@domain.com	
Use the email address as the user name	
Next	inish

11. Click **Next**. You will get a list of existing groups in IDCS to which the user 'superadmin' can be assigned. Select group '**administrator**'.



dd User			
Step	2: Assign User t	o Groups (Optional)	
Select All	I		Q
		Selected: 1	Clear Selection
	Name	Description	
	Admin	New role for PSD2 purpose	
	administrator	Administrator	
	Administrators	Administrators	
	Anonymous	Anonymous	
	corporateuser	Corporate User	
	Customer	Customer	
	Operators	Operators	
ge 1 of 1	(1-8 of 8 items) K < 1 >	к	Back Finis

12. Click **Finish**. The user 'superadmin' will be created and assigned 'administrator' group.



### 2.2 Install OpenSSL

Eg. [root@obapiohs devops]# yum install openssl\*

### 2.3 OAM installation not required

Oracle Access Manager installation is not required for this setup.



# 3. Apply Oracle OPSS SCIM Identity Store OPatch on Weblogic server

1. Download the patch from the below link.

ARU 22260908

- 2. Extract the zip on weblogic machine.
- 3. Shutdown Managed and Admin weblogic server.

#### **Glossary of Parameterized path:**

oracle-home-path	Oracle Home path of Fusion Middleware Application (Weblogic/OHS)
jre-path	Location where jre is installed
local-patch-path	Location where relevant patch folder is stored locally. Eg. Location of 27644158 folder
weblogic-domain- path	Location where weblogic domain is installed
jdk-path	Location of JDK
ohs-domain-path	Location where OHS domain is installed

4. Run below commands on Weblogic machine.

[devops@obapiwls ~]\$ export ORACLE\_HOME=<oracle-home-path>

Eg. export ORACLE\_HOME=/home/devops/Oracle/Middleware/Oracle\_Home/

[devops@obapiwls ~]\$ export PATH=\$PATH:<oracle-home-path>/OPatch/

Eg. export PATH=\$PATH:/home/devops/Oracle/Middleware/Oracle\_Home/OPatch/

[devops@obapiwls ~]\$ opatch lsinventory -jre <jre-path>

Eg. opatch lsinventory -jre /home/devops/jdk18/jre/



[devops@obapiwls ~]\$ cd <local-patch-path>

Eg. cd /scratch/obapi/wls/p27644158\_122130\_Generic/27644158/

#### [devops@obapiwls 27644158]\$ opatch apply

B @obdxwls/scratch/obdx/wls/Setup/27644158	-	0 X
Bugs fixed: 25559137, 25232931, 24811916		^
Patch 26051289 : applied on Fri May 04 10:55:03 UTC 2018		
Unique Patch ID: 21455037		
Patch description: "One-off"		
Created on 31 Jul 2017, 22:11:57 hrs UTC		
Bugs fixed:		
26051289		
OPatch guodeddd		
devonskobdyris Oracle HomelS od /scratch/obdy/wis/Setup/27644158/		
(devos@obdwile 27641551) s - la		
total 32		
drwxrwxr-x 4 54322 54322 4096 Oct 12 08:01 .		
drwxrwxr-x 3 54322 54322 4096 Oct 12 08:01		
-rw-rw-r 1 54322 54322 27 Jun 14 19:41 README.html		
-rw-rw-r 1 54322 54322 8898 Jun 14 19:41 README.txt		
drwxrwxr-x 3 54322 54322 4096 Oct 12 08:01 etc		
ArWATWAT-X 6 54322 54322 4096 OCT 12 08101 Tiles		
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Central Inventory : /home/devops/oralnventory		
from : /nom/devops/bracle/Middleware/Oracle_Home//orainst.icc		
UPAtch Version : 13,9,2,0,0		
our version - 13.5.2.0.0 Tog file location - /bowe/devons/Oracle/Middleware/Oracle Home/ofstoollogs/onatch/onatch2018_10_12_08_03_041M   log		
OPatch detects the Middleware Home as "/home/devops/Oracle/Middleware/Oracle_Home"		
Verifying environment and performing prerequisite checks		
orable contracts with these products. 27071200		
Do you want to proceed? [y n]		
		~
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	10/12/3	2018 ∽
	_	

### 5. Press 'y'

@ @obdxwls/scratch/obdx/wls/Setup/27641158	- 0	×
		^
OFatch succeeded.		
[devops@obdxwls Oracle_Home]\$ cd /scratch/obdx/wls/Setup/27644158/		
[devops@obdxwls 27644158]\$ ls -la		
total 32		
drwxrwxr-x 4 54322 54322 4096 Oct 12 08:01 .		
drwxrwxr-x 3 54322 54322 4096 Oct 12 08:01		
-rw-rw-r1 54322 54322 27 0un 14 19:41 README.html		
-IW-IW-I- 1 54022 5402 6056 0 HI 14 1911 READWELLXL		
devonséobdxwis 2764415815 opatch apply		
Oracle Interim Fatch Installer version 13.9.2.0.0		
Copyright (c) 2018, Oracle Corporation. All rights reserved.		
Oracle Home : /home/devops/Oracle/Middleware/Oracle_Home		
Central Inventory : /home/devops/oralnventory		
from : /home/devops/Oracle/Middleware/Oracle_Home//orainst.loc		
Oration version 13.9.2.0.0		
Tog file location : /owe/devos/Oracle/Middleware/Oracle Home/cfgtoollogs/opatch/opatch2018-10-12 08-03-04AM 1.log		
OPatch detects the Middleware Home as "/home/devops/Oracle/Middleware/Oracle_Home"		
Verifying environment and performing prerequisite checks		
Opatch continues with these patches: 2/644158		
Do you want to proceed? [vin]		
A A AND TO BROCKER [1][1]		
/ User Responded with: Y		
All checks passed.		
Please shutdown Oracle instances running out of this ORACLE_HOME on the local system.		
(Oracle Home = '/home/devops/Oracle/Middleware/Oracle_Home')		
Te the local gustam ready for natching? [vin]		
To choose system ready for publicity. [y[ii]		
	1-24 DM	×.
	1-34 PIVI	



#### 6. Press 'y'





# 4. Extending Weblogic Domain to load 'Oracle OPSS SCIM Identity Store' template

1. Run the below commands.

[devops@obapiwls fmwconfig]\$ cd <ORACLE-HOME-PATH>/oracle\_common/common/bin/

Eg. cd /home/devops/Oracle/Middleware/Oracle\_Home/oracle\_common/common/bin/

#### [devops@obapiwls bin]\$ ./wlst.sh

[This will take you to Weblogic Server Administration Scripting Shell]



2. Run the below commands in wlst :

wls:/offline>readDomain("<weblogic-domain-path>")

Eg. readDomain("/home/devops/domain/obapi\_domain")

wls:/offline/obapi\_domain>selectTemplate("Oracle OPSS SCIM Identity Store")

wls:/offline/obapi\_domain>loadTemplates()

wls:/offline/obapi\_domain>updateDomain()

wls:/offline/obapi\_domain>closeDomain()

wls:/offline/obapi\_domain>exit()







# **5. Change JPS configurations**

- 1. Add the following to the jps-config.xml at <weblogic-domain-path>/config/fmwconfig/
- 2. Remove GenericIdentityStoreProvider serviceProvider inside <serviceProviders> tag:
  - <serviceProvider class="oracle.security.jps.internal.idstore.generic.GenericIdentityStoreProvider" name="custom.provider" type="IDENTITY\_STORE"> <description>Custom IdStore Provider</description> </serviceProvider>
- 3. Remove *idstore.custom serviceInstance* inside <serviceInstances> tag:
  - <serviceInstance location="dumb" name="idstore.custom" provider="custom.provider"> <description>Custom Identity Store Service Instance</description> <property name="idstore.type" value="CUSTOM"/> <property name="ADF\_IM\_FACTORY\_CLASS" value="com.ofss.sms.dbAuthenticator.providers.db.DBIdentityStoreFactory"/> <property name="DATASOURCE\_NAME" value="DIGX"/> </serviceInstance>

Inside the <jpsContext name="default"> tag, if idstore.custom is present, then:

 Change <serviceInstanceRef ref="idstore.custom"/> to <serviceInstanceRef ref="idstore.scim"/>



# 6. Create an OBAPI Client Application in IDCS Console

- 1. Go to IDCS Admin Console → Enter Admin user name and Password.
- 2. On Applications tab  $\rightarrow$  Click on + sign  $\rightarrow$  Confidential Application

#### **OBAPI Client application details in IDCS:**

Name	Is the OBAPI Client Application Name in IDCS. Give a suitable name.
connection_scheme	http or https
webserver_host_nam e	Host name of web server
webserver_port	Port of web server
Application URL	<pre><connection_scheme>://<webserver_host_name>:<webserver_port <="" pre=""></webserver_port></webserver_host_name></connection_scheme></pre>
Redirect URL	<u>Application URL&gt;</u> /oauth/callback
Primary Audience	< <u>Name&gt;</u>
Secondary Audience	< <u>Application URL&gt;</u>



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	User can request access													

3. Click Next



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Expose APIs to Other Applications					
Specify the APIs that need to be protected.					
Configure this application as a resource server now	Skip for later				
Configure application APIs that nee	to be OAuth protected				
Access Token Expiration 3,600	Add Scope ×				
Is Refresh Token Allowed 🗐					
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	Add				
Scopes Add					
Seene Protected					
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No data to display.					



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	protected	No	Scope for protected resources		false	×			
	payments	No	App will make payment on your beha	lf	true	×			
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#### 5. Go Back to **Client** tab and **Add Scope**

· → C	https://obdx-tenant01.identity.c9dev0.oc9qadev.	com/ui/v1/adminconsole?root=app	s&app=add-CustomWebAppTemplateId	🗣 🌣 🔕 🚺 🔍 😒	<b>Ö E O</b>
Apps 🗋 Vie	w Statement 🧧 12.0.3 🧧 OBDX 16.2 🚹 Bug Jira Allowed Operations 闭 Introspect	👻 Central JIRA 📃 17.1 Ksupp	🧧 17.2 Ksupp 📕 Origination 📕 18.1 & 18.2 📕 18.3	📙 Oracle Live 🥥 Webex	
Token Issu	Authorized All Resources Specific				
	Resources + Add Scope				
	Resource	Protected	Scope		
	OBDX182Installer	No	OBDX182Installeraccounts	×	
	OBDX182Installer	No	OBDX182Installerprotected	×	
	OBDX182Installer	No	OBDX182Installerpayments	×	

6. Note down the name of protected scope above.

allowed_scope_name_of_protected_in_ OBAPI_Client_App	Name OBAPI1	of 82Ins	Protected tallerprotected	scope.	Eg.
			•		

7. Next Go to Web Tier Policy tab.



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≡ 🂈ZigBank ıd	entity Cloud Service							AO
Add Confidenti	ial Applicatic	n						
< Back	O Details	Client	Resources	Web Tier Policy	Authorization			Next >
Web Tier Policy								
Use this page to configure, edit	t, and validate a web tier poli	icy. Additionally, you can	import and export exi	sting policies.				
Configure Web Tier Policy f	or this application	ip for later						

### 8. Click Next

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< Back	<b>O</b> Details	Client	Resources	O Web Tier Policy	Authorization				Finis	h
Authorization										
	Enforce Grants as Au	thorization 🗹								

9. Click on **Finish**.

Applications > OBDX182Installer		
OBDX182Installer	Application Added ×	
Details Configuration Web Tier Policy Users (	Below is the new Client ID and Client Secret for your application. This information also appears on the Configuration tab in the Details section for the application.	Generate Access Token Save
Application Type Confide * Name OBDX	Client Secret	
Application Icon	<u>ም</u>	



10. You will get Client ID and Client Secret on successful creation.

**Glossary of parameters:** 

<client_id_of_obapi_client_in_idcs></client_id_of_obapi_client_in_idcs>	Client ID given above
<client_secret_of_obapi_client_in_idcs></client_secret_of_obapi_client_in_idcs>	Client Secret given above



- 11. Click on **Activate** button.
- 12. Search for created application and go to Groups tab.

😴 Identity Claud Service   Groups 🗙 +		٥	
← → C 🔒 https://obdx-tenant01.identity.c9dev0.oc9qadev.com/ui/v1/adminconsole?root=apps&app=c1b2b633669148/1a0cb3796831830/7&app-tab=managed-app-groups	۵	☆	₩
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E SZigBank Identity Cloud Service			Ô
Applications > OBDX182Installer			
OBDX182Installer Ø Deactive	ate	🗙 Rer	nove
Details Configuration Web Tier Policy Users Groups			
Q Select All + Assign X Revoke			
· · · · · · · · · · · · · · · · · · ·			
No groups are assigned to this application.			
Assign Groups			
			-

13. Click on Assign.



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Applications > OBDX182Instal		Name	Description				^				
		Admin	New role for PSD2 purpose								
		administrator	Administrator				e	) Deactivat	e X		e
		Administrators	Administrators								
Details Configuration		All Users	A group representing all users.				18				h
		Anonymous	Anonymous								
		corporateuser	Corporate User								
		Customer	Customer								
		Operators	Operators								
		retailuser	Retail User				18				
	Page 1 of 1	(1-9 of 9 items)	< 1 → >				ок				

#### 14. Click Add.

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← → C 🌢 https://obdx-tenant01.identity.c9dev0.oc9qadev.com/ui/v1/adminconsole?root=apps&app=c1b2b633669148f1a0cb3796831830	0f7&app-tab=managed-app-groups 🛛 🖻 🖈 👼 🗄
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Applications > OBDX182Installer	<b>^</b>
OBDX182Installer	⊘ Deactivate → 💥 Remove
Details Configuration Web Tier Policy Users Groups	
Q, ■ Select All + Assign × Revoke	
AD administrator	
CO corporateuser	
E RE retailuser	

15. Above groups are added.

### <u>Home</u>



# 7. Configure OPSS IDCS Identity Store Service

1. Back up jps-config-jse.xml at <a href="https://www.eweblogic-domain-path-/config/fmwconfig/">www.eweblogic-domain-path-/config/fmwconfig/</a>

Prepare a command property file named opss\_idcs\_cmd.props

opss\_idcs\_cmd.props:

command=setIdStoreService ise.only=true path=<weblogic-domain-path>/config/fmwconfig/jps-config-jse.xml idstore.type=SCIM idcs.config.url=https://<tenant-base-url>:443/.well-known/idcs-configuration oauth.client.identity.domain=<tenant-name> oauth.client.id=<client\_id\_of\_OBAPI\_client\_in\_IDCS> oauth.client.secret=<client\_secret\_of\_OBAPI\_client\_in\_IDCS> oauth.client.key= oauth.client.map= oauth.client.timeout.window= oauth.client.scope= scim.client.connect.timeout= scim.client.read.timeout= scim.pagesize= identity.domain= allowed.identity.domains= idcs.config.truststore=kss://system/trust certfile.path= cert.alias=idcsca

Be @obdxwls/scratch/obdx/wls/Setup	-	o ×	
command=setIdStoreService			^
jse.only=true			
path=/home/devops/domain/obdx domain/config/fmwconfig/jps-config-jse.xml			
idstore.type=SCIM			
idcs.config.url=https://obdx-tenant01.identity.c9dev0.oc9qadev.com:443/.well-known/idcs-configuration			
oauth.client.identity.domain=obdx-tenant01			
oauth.client.id=cel7bcdee6a944fdbc21e1b55e23db26			
oauth.client.secret=532266b5-235c-456a-baad-2be5e9bab7ba			
oauth.client.key=			
oauth.client.map=			
oauth.client.timeout.window=			
oauth.client.scope=			
scim.client.connect.timeout=			
scim.client.read.timeout=			
scim.pagesize			
identity.domain=			
allowed.identity.domains=			
idcs.config.truststore=kss://system/trust			
certfile.path=			
cert.alias=idcsca			
INSERT			~

2. Go to <jdk-path>/bin



#### Run below command

java –classpath <u><oracle-home-path></u>/oracle\_common/modules/oracle.jps/jps-manifest.jar oracle.security.jps.internal.tools.configuration.ldap.LdapServiceEnabler -props <local-path-ofopss\_idcs\_cmd.props>



3. To provide cert to SSL connection:

Start the Weblogic Admin server.

Download the IDCS certificate from IDCS My console. 'https://<u><tenant-base-url></u>/ui/v1/myconsole'.





4. Login to weblogic Enterprise Manager (EM) and Import this certificate in EM as '*idcsca*' under kss://system/trust.

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<u>Home</u>



# 8. Adding IDCS as an Identity Provider in Weblogic Security Realms





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Release Configuration	Authentication Password Validation Authorization	Adjudication Role Mapping Auditing Credential Mapping Certification Path	
	An Authentication provider allows WebLogic Server to e	stablish trust by validation a user. You must have one Authentication provider in a security realm, and you can	figure multiple Authentication providers in
Jomain Structure	a security realm. Different types of Authentication provid	ders are designed to access different data stores, such as LDAP servers or DBMS.	
Domain Partitions			
	Customize this table		
	Authentication Providers		
Interoperability	New Delete Reorder		Showing 1 to 5 of 5 Previous   Next
tr-biagnostics	Name	Description	Version
	DBAuthenticator	OBDX - DB Authenticator	18.2.0.2.0,344
	SQLAuth	Provider that performs DBMS authentication	1.0
	OBDXJWT	OBDX Identity Assertion Provider (JWT and OAuth)	18.2.0.2.0,344
tow do I 😑	DefaultAuthenticator	WebLogic Authentication Provider	1.0
Configure authentication and identity	DefaultIdentityAsserter	WebLogic Identity Assertion provider	1.0
assertion providers	New Delete Reorder		Showing 1 to 5 of 5 Previous   Next
Configure the Password Validation provider     Manage security providers			
Set the JAAS control flag	·		
Re-order authentication providers			
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	т		5
← → C ① Not secure mum		viders Delete Ata Portletretura To = Peol Improviders Tab Page & Security Peol Im Aut 💦 🧑 👩	
, , , , ,	100afd:14001/console/console.portal?SecurityPro	vidersbeletentin onterretarino=keaimprovidershabraged.SecuritykeaimAdt	000000
Apps D View Statement 12.0.3	100afd:14001/console/console.portal?SecurityPro	17.1 Ksupp     17.2 Ksupp     17.2 Ksupp     17.2 Ksupp     17.2 Ksupp     17.1 Ksupp     17.2 Ksupp     1	Q Webex
Apps View Statement 12.0.3	100afd:14001/console/console.portal?SecurityPro	17.1 Ksupp     17.2 Ksupp     Origination     18.1 & 18.2     18.3     Oracle Live	Webex
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Apps D View Statement 12.03 CRACLE WebLogic Server Adm Change Center View changes and restarts	000afd:14001/console/console/portal?SecurityPro	More some exercise of the	Webex
Apps View Statement 12.03	000dafd:1001/console/console/console/portal?SecurityPro       Image: Image		Webex
Apps View Statement 12.03 CACLE WebLogic Server Adr Change Center Wew changes and restarts New changes exist. Click the Release Configuration button to allow others to exist the forman.	00041611001/console/console/portal?SecurityPro OBDX 162 Bug Jira	Ndersoeretekun onderletum no-indering inderloes istaal agrecute un syndemizuut. 🙀 🖉	Webex
If Apps     View Statement     12.0.3       DRACLE     WebLogic Server Adm       Unage Center       View Shange soid restarts       View Changes and restarts       Configure soit: Click the Relaser Configure to det the forman.       Lock & Edit	00041611001/console/console/portal?SecurityPro OBDX 162 Bug Jira	Aller Soleeneerum on deeleetum nooriekaan ja joon ole si sala agied deeleetum synaamindud on ja joon on ja 18.1 & 18.2 18.3 Oradie Live	Webex
Apps     View Statement     12.03     Change Center     WebLogic Server Adm     Change Canter     View changes and restarts     No pending changes exit:     Okthe Release     Configuration buttom to alive others to edit     Release Configuration	0004fd:14001/console/console/contal?SecurityPro OBDX 162  Bug Jira  Console 12e OBDX 162  Bug Jira  Console 12e Other Log Out Preferences Sel Record Help Tome > Summary of Security Realma > Providers Delete Authentication Providers UNB Delete Authentication Providers Delete Authentica	17.1 Ksupp     17.2 Ksupp     Origination     18.1 & 18.2     18.3     Oracle Live	Webex
Apps     View Statement     12.0.3     Content     View Statement     12.0.3     Content     View Changes and restarts     View changes     View changes and restarts     View changes     View chan	0004fd:14001/console/pontal?SecurityPro ■ OBDX 16.2  Bug Jin  Console pontal?SecurityPro ministration Console 12c ■ Home Log Out Preferences  Record Hebp Home Sommary of Security Real Annual Supremains Supremains Delete Authentication Providers Vesi Ika Delete Are you sure you want to delete the following items? Delete	More some elevant of view elevant de investigation of the solution of the	Webex
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Apps     View Statement     12.0.3     DRACLE     WebLogic Server Adm     Anage Center     Arew changes and restarts     to pending changes cost: Cick the Release     Configuration turbur allow others to edit     Release Configuration     Total allow the set of the     Anage Center     Release Configuration     Total allow the set of the     Anage     Anage Center     Demain Structure     Depainments     Secure     Secure     Secure	000afd:1001/console/console/portal?SecurityPro       00Dx 162       Image: Security Relations and the second Help	I 7.1 Kwpp     I 7.2 Kwpp     Origination     I 8.1 & 18.2     I 8.3     Oracle Live	Webex  Webex  Meterio Webey  Webey
Apps     View Statement     12.0.3     Content     View Statement     12.0.3     Content     View Statement     View View Statement     View View Statement     View View Statement	0004fc14001/console/pontal?SecurityPro	Augustation and a second se	Webex  Webey  me, weblogic Connected to: obdx_domain
Image: Apps     View Statement     12.0.3       DRACLE     WebLogic Server Adm       Libange Center     View Changes and restarts       Wew changes and restarts     10.0.3       Orgingtonic buttor allow others to soft the formula     10.0.4 & Edit       Release Configuration     10.0.4 & Edit       Release Configuration     10.0.4 & Edit       Pomain Pattons     10.0.4 & Edit       Dorgingtonic buttor to the release of	000afd:1001/console/pontal?SecurityPro OD00afd:1001/console/pontal?SecurityPro Console 12  OBDX 162  Bug Jia  Console 12  Mon Delete Are you sare you want to delete the following items? DBAuthenticator SQLauth Uses No	I 17.1 Ksupp     I 17.2 Ksupp     Origination     I 18.1 & 18.2     I 18.3     Oracle Live	Webex  Webex  me, weblogic Connected to: obdx_domain
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Apps     View Statement     12.0.3     Configuration     Conf	000afd:1001/console/console/contal?SecurityPro OBDX 162 Bug Jia  Console 12 Mentodo (Console 12) Mentodo (Console 12) Mentodo (Console 12) Mentodo (Console 12) Delete Are you sure you want to delete the following items? DBAuthenticator SQLuth Ves Me	In the source of the reason provides is all agreed and the source of the source o	Webex
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Apps     View Statement     12.0.3     Consequence     Configuration     Config	000afd:1001/console/pontal?SecurityPro CODX162 CBX162 CBX	Aller Somereen of Lee Learning Andreas in Ball and Aller South Synamical and Aller South Synamic	Webex  Webex  me, weblogic Connected to: obdx_domain
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- 5. Delete DBAuthenticator and SQLAuth from the list of Authenticator Providers.
- 6. Create a New Provider.

- Name : IDCSAuthenticator
- Type : OracleIdentityCloudIntegrator •



Ph. Create a New Authentication Pro. X	+				_	σ	×
← → C ① Not secure   mun	n00afd:14001/console/console.portal?_nfpb=true&_pageLabel=SecurityProvidersCreateAtn	Ŷ .	0	0 0		e	
Apps 🗅 View Statement 📃 12.0.3	3 📙 OBDX 16.2 🖺 Bug Jira 🌹 Central JIRA 📙 17.1 Ksupp 📙 17.2 Ksupp 🧧 Origination 📙 18.1 & 18.2 📙 18.3	Oracle Live	<b>O</b> W	ebex			
	ministration Console 12c						<u>Q</u> ^
Change Center	🕜 Home Log Out Preferences 🔤 Record Help	Welc	ome, we	blogic Co	onnected to:	bdx_do	main
View changes and restarts	Home >Summary of Security Realms >myrealm >Providers						_
Pending changes exist. They must be activated	Create a New Authentication Provider						-18
Activate Changes	OK						
Undo All Changes	Create a new Authentication Provider						
Domain Structure	The following properties will be used to identify your new Authentication Provider.						
obdx_domain	* Indicates required fields						
Domain Partitions     Environment	The name of the authentication provider.						- 1
Deployments	* Nome						
Security Realms	IDCSAuthenticator						
B-Interoperability B-Diagnostics	This is the type of authentication provider you wish to create.						
	Type: OracleIdentityCloudIntegrator						
	OK Cancel						
How do I							
Manage security providers							- 1
<ul> <li>Configure authentication and identity assertion providers</li> </ul>							
System Status							
Ficial of Running Servers as of 11:26 API							
Critical (0)							-

- 7. IDCSAuthenticator > Configurations > Common
  - Control Flag: SUFFICIENT
  - Active Types:
    - i. <u>Available</u>: Idcs\_user\_assertion
    - ii. <u>Chosen</u>: idcs\_user\_assertion, Authorization, IDCS\_REMOTE\_USER, REMOTE\_USER

AuthenticatorBook - obdx_doma ×	+			- 0	×
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iii Anne B View Statement 1202	OPDV 163 B Rus liss	Castel IRA 171 Keyes 172 Keyes 172 Keyes 172 Keyes			•
Apps View statement 12.0.5		Centrarying _ 17.1 Ksupp _ 17.2 Ksupp _ Origination _ 16			
	inistration Console 12c			Č	2
Change Center	🏦 Home Log Out Preferences 🔤	Record Help	Welcome, weblogic Connec	ted to: obdx_dom	ain
View changes and restarts	Home >Summary of Security Realms >n	nyrealm >Providers >myrealm >Providers >IDCSAuthenticator			
No pending changes exist. Click the Release Configuration button to allow others to edit the domain	Settings for IDCSAuthenticator				11
Lock & Edit	Common Provider Specific				
Release Configuration	Save				
obdx_domain Domain Structure	Use this page to define the common	n configuration of this Oracle Identity Cloud Integrator Provider.			
Environment     Deployments     Service	🦺 Name:	IDCSAuthenticator	The name of this Oracle Identity Cloud Integrator Provider. Mor	e Info	
Scurity Realms	description:	Provider that performs identity assertion for Oracle Identity Cloud Service tokens	A short description of this Oracle Identity Cloud Integrator Provid	er. More Info	
⊞-Diagnostics	<u>d</u> ि Version:	1.0	The version number of this Oracle Identity Cloud Integrator Provi	der. More Info	
	🏀 Control Flag:	SUFFICIENT •	Specifies how this Oracle Identity Cloud Integrator provider fits in sequence. More Info	to the login	
How do I	Active Types: Available:	Chosen:	The token type this Oracle Identity Cloud Integrator provider use authentication. More Info	; for	
Configure authentication and identity assertion providers     Configure the Password Validation provider     Set the JAAS control flag	Idcs_user_assertion	Ids_ust_asston     Autorization     REHOTE_USER			
Manage security providers  System Status					
	All Race64 Decoding Required:	falca	Determines whether the request header value or cookie value m	et ha Racafi4	1.1



- 8. IDCSAuthenticator > Configurations > Provider Specific
  - Port: 443
  - Tenant Names: <u><tenant\_name></u>
  - SSLEnabled: True
  - Client IDResource Attribute: *client\_id*
  - Client Id: <a href="https://www.eliptic.com"></a>
     Client ID of OBAPI client in IDCS>
  - Client Tenant: <a href="mailto:</a>
  - Tenant: <a href="mailto:</a>
  - Host: <u><base-url></u>
  - Client Secret: <<u><client\_secret\_of\_OBAPI\_client\_in\_IDCS></u>

AuthenticatorBook - obdx_doma ×	+		-	٥	×
← → C ① Not secure   mum(	00afd:14001/console/console.portal?_nfpb=true&_pageLal	bel=AuthenticatorConfigProviderSpecificTabl	Page&handle=c 🕶 🚖 🟮 🚺 🥥 ⊗ 🙆 🚍	Θ	
👖 Apps 🗋 View Statement 📃 12.0.3	📙 OBDX 16.2 🗋 Bug Jira 🦉 Central JIRA 📙 17.1 Ks	supp 📙 17.2 Ksupp 📙 Origination 📃 18.	.1 & 18.2 📙 18.3 📙 Oracle Live 🥥 Webex		
No pending changes exist. Click the Release Configuration button to allow others to edit the	Settings for IDCSAuthenticator				-
domain.	Configuration				11
Release Configuration	Common Provider Specific				-11
Domain Structure	Save				11
obdx_domain	This page allows you to configure additional attributes for this securit — Connection	ty provider.			
B - Deployment	Host:	identity.c9dev0.oc9qadev.cor	The host name used to connect to the Oracle Identity Cloud Service. Mo	re Info	
Security Realms	Port:	443	The port number used to connect to the Oracle Identity Cloud Service. $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	iore Info	
ttr Diagnostics	SSLEnabled		Specifies whether the TLS/SSL protocol is used when connecting to the Or Identity Cloud Service. More Info	acle	
	Tenant:	obdx-tenant01	The name of the primary tenant where users and groups reside from the Identity Cloud Service. When the primary tenant is not configured, the use authentication processing must identify the tenant name. More Info	Dracle r	
How do I	Client Id:	ce17bcdee6a944fdbc21e1b5	The Client Id used when retrieving tokens from the Oracle Identity Cloud Service. More Info		
Configure autoentication and identity assertion providers     Set the JAAS control flag	Client Secret:		The Client secret used when retrieving tokens from the Oracle Identity Clo Service. More Info	ud	
Manage security providers	Confirm Client Secret:	••••••			
System Status  Health of Running Servers as of 11:33 AM	Client Tenant:	obdx-tenant01	The tenant in which the Client Id resides from the Oracle Identity Cloud S When no client tenant name is configured, the tenant configured for the p used. More Info	ervice. rovider is	
Failed (0)	Caching				
Overloaded (0) Warning (0)	✓ Cache Enabled		Specifies whether to cache the Oracle Identity Cloud Service user's information. More Info		
🔳 🔎 🗆 🥭 🗧 🛛	<b>.</b> 🖉 😆 🧔 🥴 🗷 📰	🛷 💁 🌄 🎯	<mark>ዄ ይ</mark> ች ^ <u>«</u> ነው ሳ× 10/"	1 PM 2/2018	þ.



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ops 🗋 View Statement 📃 12.0.3	📙 OBDX 16.2 🗋 Bug Jira 🌹 Central JIRA 📙 13	7.1 Ksupp 🧧 17.2 Ksupp 📙 Origination	📙 18.1 & 18.2 📃 18.3 📕 Oracle Live 🥥 Webex
	Consul		
	General		
	Connect Timeout:	300	The maximum time to wait, in seconds, for the connection to the Oracle Identity Cloud Service to be established. More Info
	Perpaga Paad Timoouti		The maximum time to wait in canonic for a recorder from the Oracle Identity
	Response Read Timeout.	60	Cloud Service. More Info
	User Authentication Assertion Attribute:		Used for User Authentication and Assertion. The default value results in the use of
			the attribute configured by the Oracle Identity Cloud Service. More Info
	User Name Resource Attribute:	userName	SCIM User resource type attribute that specifies the name of the user. More Info
	User ID Resource Attribute:	id	SCIM User resource type attribute that specifies the ID (GUID) of the user. More Info
	Client ID Resource Attribute:	client_id	Used for Client ID App Assertion. The default value results in the use of the attribu configured by the Oracle Identity Cloud Service. More Info
	Tenant Header Names:		The names of HTTP headers sent on requests to the Oracle Identity Cloud Service
	X-USER-IDENTITY-SERVICE-GUID		that are used to determine the tenancy during authentication. More Info
	X-USER-IDENTITY-DOMAIN-NAME X-RESOURCE-IDENTITY-SERVICE-GUID		
	X-RESOURCE-IDENTITY-DOMAIN-NAME		
	Application Name Filter Header Name:	X-RESOURCE-SERVICE-IN	The name of the HTTP header used to determine the application name applied with filtering the authentication and assertion requests to the Oracle Identity Cloud
			Service. When no value is supplied or can be determined, requests are not filtered by an application. More Info
	- Token Validation		
	Token Validation Level:	NORMAL	The level of validation performed on Oracle Identity Cloud Service tokens passed t

9. Reorder IDCSAuthenticator to the top of all providers.

Reorder Authentication Providers ×	+	- 6	3	×
← → C ③ Not secure   mun	n00afd:14001/console/console.portal?SecurityProvidersAtnReorderPortletreturnTo=RealmprovidersTabPage&SecurityRealmA 🖈 🧔 🜔 🔾 🔇	0 🖸	Θ	:
👯 Apps 🎦 View Statement 📃 12.0.3	3 📕 OBDX 16.2 🗋 Bug Jira 🌹 Central JIRA 📙 17.1 Ksupp 📙 17.2 Ksupp 📕 Origination 📕 18.1 & 18.2 📕 18.3 📕 Oracle Live 🥥 Webex			
	ministration Console 12c		Ö	^
Change Center	🟦 Home Log Out Preferences 🔤 Record Help	onnected to: obdx	_domai	in
View changes and restarts	Home >Summary of Security Realms >myrealm >Providers >myrealm >Providers >IDCSAuthenticator >Providers >IDCSAuthenticator >Providers			
Pending changes exist. They must be activated	Reorder Authentication Providers			11
Activate Changes	OK Cancel			11
Undo All Changes	Reorder Authentication Providers			11
Domain Structure	You can reorder your Authentication Providers using the list below. By reordering Authentication Providers, you can alter the authentication sequence.			11
obdx_domain	Select authenticator(s) in the list and use arrows to move them up and down in the list.			11
Domain Partitions	Authentication Providers:			11
Deployments	Available:			11
Services     Services	DCSAuthenticator			18
B-Interoperability	OBDXWT GallAuthenticator G			
⊞-Diagnostics	DefaultIdentityAsserter			
	▼			11
	X X			
				18
How do I 🗉	OK Cancel			18
Re-order authentication providers				4
Set the JAAS control flag				
System Status				
nearch or Running Servers as of 11:44 AM				
Failed (0)				
Overloaded (0)				-



Settings for myrealm - obdx_don ×	+	- 0 ×					
← → C ③ Not secure   mur	🗧 $ ightarrow$ C 🕐 Not secure   mum00afd:14001/console/console.portal?_nfpb=true&_pageLabel=RealmauthenticatorTabPage 🗴 🕴 🗘 🖉 🖉 🖉 🖉 🖉						
🔛 Apps 🗋 View Statement 📙 12.0.	0.3 📙 OBDX 16.2 🗋 Bug Jira 🦉 Central JIRA 📒 17.1 Ksupp 📙 17.2 Ksupp 📒 Origination 📒 18.1 & 18.2 📒 18.3 📒 Oracle L	.ive 🥥 Webex					
	Administration Console 12c	Q 1					
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	/elcome, weblogic Connected to: obdx_domain					
View changes and restarts	Home >Summary of Security Realms >myrealm >Providers >myrealm >Providers >IDCSAuthenticator >Providers >IDCSAuthenticator >Providers						
Click the Lock & Edit button to modify, add or delete items in this domain.	Pressayes # All changes have been activated. However 1 items must be restarted for the changes to take effect.						
Lock & Edit	Settings for myrealm						
Release Configuration	Configuration Users and Groups Roles and Policies Credential Mappings Providers Migration						
Domain Structure	Authentication Password Validation Authorization Adjudication Role Mapping Auditing Credential Mapping Certification Path						
<ul> <li>⊕ Domain Partitions</li> <li>⊕ Environment</li> <li>⊕ Deployments</li> <li>⊕ Services</li> <li>→ Security Realms</li> <li>⊕ Interoperability</li> <li>⊕ Diagnostics</li> </ul>	1         An Authentication provider allows Welk.ogc Server to establish trust by validating a user. You must have one Authentication provider in a security realm, and you can configure multiple Authentication providers in a security realm. Different types of Authentication providers are designed to access different data stores, such as LDAP servers or DBHS.           Realms rability         ip Customize this table           Nor         Authentication Providers						
	New Delete Reorder	Showing 1 to 4 of 4 Previous   Next					
	Name Description	Version					
How do I	1 IDCSAuthenticator Provider that performs identity assertion for Oracle Identity Cloud Service tokens	1.0					
<ul> <li>Configure authentication and identity assertion providers</li> </ul>	OBDXJWT     OBDX Identity Assertion Provider (JWT and OAuth)	18.2.0.2.0,344					
Configure the Password Validation provider	DefaultAuthenticator WebLogic Authentication Provider	1.0					
Manage security providers	DefaultIdentityAsserter WebLogic Identity Assertion provider	1.0					
Set the JAAS control flag     Re-order authentication providers	Hew Deter	Showing 1 to 4 of 4 Previous   Next					
System Status							



# 9. Application Server Changes

### 9.1 Add below argument to Managed server:

 ${\sf Dweblogic.security.SSL.hostnameVerifier = weblogic.security.utils.SSLWLSWildcardHostnameVerifier = weblogic.security.utils.security.utils.security.s$ 

Settings for OBDX_MS1 - obdx_d ×	+	– Ø ×
← → C ③ Not secure   mum	00afd:14001/console/console.portal?_nfpb=true&_pageLabel=ServerConfigServerstartTabP	age&handle=com.bea.console.ha 😭 🏮 🚺 🔍 🔇 🙆 📄 🛛 😝 🚦
🔢 Apps 🗋 View Statement 📒 12.0.3	🧧 OBDX 16.2 🚹 Bug Jira 🌹 Central JIRA 📃 17.1 Ksupp 📙 17.2 Ksupp 📙 Originat	tion 📙 18.1 & 18.2 📃 18.3 📙 Oracle Live 🥥 Webex
B-Interoperability B-Diagnostics	Java Vendor:	The Java Vendor value to use when starting this server. More Info
	BEA Home:	The BEA home directory (path on the machine running Node Manager) to use when starting this server. More Info
	Root Directory:	The directory that this server uses as its root directory. This directory must be on the computer that hosts Node Manager. If you do not specify a Root Directory value, the domain directory is used by dealut. More Info
How do I 😑		
Configure startup arguments for Managed Servers	Class Path: /scratch/obdx/wls/config:	The classpath (path on the machine running Node Manager) to use when starting this server. More Info
Start Managed Servers from the     Administration Console		
Shut down a server instance		
System Status 🖂		
Health of Running Servers as of 11:46 AM	Arguments: -Dfcat.ivm.id=1 -Xms2560m -Xms2560m -XX:NewSize=640m -XX:MaxNewSize=640m -	The arguments to use when starting this server. More Info
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (1)	Doess wan wal internal was transport http:/lintittprensportPipelakus Doess wan wal internal was transport http:/lintittpadentrumgertue Doess wan wal instrumation transport. Doess wan wal iss transport http:/lintittpadentrumgertue - Doess wan wal iss transport. Doess was wal iss transport http://tittpadenter.dwmgrtue - Doess wan wal iss transport. Thittpadenter.dwmgrtue - Doess was wal iss transport. Thittpadenter.dwmgrtue - Superson - State -	e - noagent isandhos
	Security Policy File:	The security policy file (directory and filename on the machine running Node Manager) to use when starting this server. Hore Info
	User Name:	The user name to use when booting this server. More Info



### 9.2 Managed Server Start Configurations

- 1. Go to Home > Summary of Clusters > obapi\_cluster > Configuration Tab > General Tab >
- 2. Expand Advanced Section.
- 3. Set the Value of WebLogic Plug-In Enabled to yes.

Settings for obdx_cluster - obdx_ ×	+														-	٥	×								
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View changes and restarts	Home >Summan	of Servers >Sur	nmary of Dep	loyments >com.	ofss.digx.con	inector.rar >Roles >Sun	mary of Servers	>OBDX_MS1	Summary of Clusters	>obdx_d	uster						<b>^</b>								
No pending changes exist. Click the Release Configuration button to allow others to edit the	Settings for obd	x_cluster																							
domain.	Configuration	Monitoring	Control	Deployments	Services	Notes											_18								
Lock & Edit	General JTA	Messaging	Servers	Replication	Migration	Singleton Services	Scheduling	Overload	Health Monitoring	HTTP	Coherence	e					_ []								
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Domain Structure obdx_domain  Domain Partitions	This page allow	vs you to define	the general	settings for th	nis cluster.																				
E-Environment Servers B-Clusters	Name:					obdx_cluster			The name persist the	of this con configura	nfiguration. tion. More	WebLogic Info	Server use	s an MBei	n to imple	ment and									
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Configure clusters     Assign server instances to clusters     Configure server micration in a cluster	假 Number Of Servers In Cluster Address:				3			Number o automatic Info	Number of servers to be listed from this cluster when generating a cluster address automatically. This setting has no effect if Cluster Address is explicitly set. More Info				address More												
Configure cross-cluster replication	🔲 🚯 Enable	Transaction A	ffinity						If enabled already pa	, a server's irticipating	s transaction in the globa	n requests al transacti	go to serv on. More	ers in the Info	duster tha	t are									
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# 10. Change in Weblogic Deployments

### 10.1 Creating a Connection in Connector ear

- 1. Start the managed server if it is down.
- 2. Summary of Deployments > com.ofss.digx.connector.rar > Security > Outbound Credential Mappings

🗅 Summary of Deployments - obdx 🗙 -												-	٥	×
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System Status	adf.oracle.domain.	webapp.apache.httpcore(1.0,	.12.2.1.3.0)		Active		Library	AdminServer, obdx_cluster	Global			100		
Health of Running Servers as of 1:45 PM Failed (0)	adf.oracle.domain.	webapp.apache.httpmime(1.	0,12.2.1.3.0)		Active		Library	AdminServer, obdx_cluster	Global			100		
Critical (0)	adf.oracle.domain.	webapp.apache.velocity(1.0,	12.2.1.3.0)		Active		Library	AdminServer, obdx_cluster	Global			100		
Warning (0)	adf.oracle.domain.	webapp.batik-bundle(1.0,12.	2.1.3.0)		Active		Library	AdminServer, obdx_cluster	Global			100		
06(2)	adf.oracle.domain.	webapp.guava(1.0,12.2.1.3.0	)		Active		Library	AdminServer, obdx_cluster	Global			100		
	adf.oracle.domain.	webapp.xml-apis-ext(1.0,12.)	2.1.3.0)		Active		Library	AdminServer, obdx_cluster	Global			100		
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	BatchResource	Adapter			New		Enterprise Application	obdx_cluster	Global			100		
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Click the Lock & Edit button to modify, add or	Settings for com.ofss.digx.connector.rar			
Lock & Edit	Overview Configuration Security Control Testing	Monitoring		
Release Configuration	Roles Policies Outbound Credential Mappings	nbound Principal Mappings Principals		
bothx domain Partitions     bothx domain     bothx d	Outbound credential mappings let you may WebLogt Scon Retro outbound credential mappings and a outbound concern outbound credential mappings for this resource adapter. Customize this table Outbound Credential Mappings Litere:	er usernames to usernames in the Enterpr pools in the resource adapter, or specify p	ise Information System (EIS) to which you want to connect using a researcular outbound credential mappings for individual connection pools.	urce adapter. You can use default This page contains the table of
a biognostics		776.11		Showing 1 to 1 of 1 Previous   Next
	WLS User 🗠	EIS User	Outbound Connection Pool	
	Default	AES_KEY	ra/DIGXConnectorAES	
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Create outbound credential mappings				
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3. Click New



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Change Center	🏦 Home Log Out Preferences 🗟 Record Help 📃 🔍 Welcome, weblogic Connected to: obdx_domain
View changes and restarts	Home >Summary of Servers >Summary of Deployments >com.ofrs.digx.connector.rar >Roles
Click the Lock & Edit button to modify, add or	Create a New Security Credential Mapping
Lock & Edit	Back Next Finish Cancel
Release Configuration	Outbound Connection Pool
Domain Structure	Which Outbound Connection Pool would you like the credential map to be associated with? Selecting Resource Adapter Default will configure the credential mapping for all Outbound Connection Pools in this
obdx_domain	resource adapter. Each Uutbound Lonnection Poor can then compute themseves to overnae these credentais.
Domain Partitions	Customize this table
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	ra/DIGXConnectorFCM
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	a/DIGXConnectorGENERICREST
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#### 4. Click Next

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Click the Lock & Edit button to modify, add or	Create a New Security Credential Mapping			
Lock & Edit	Back Next Finish Cancel			
Release Configuration	WebLogic Server User			
Domain Structure	Select the WebLogic Server user that you would like to map an EIS user to. Selecting 'User for creating initial connections' will configure the user that will be used for creating the initial connection will configure the user that will be used for creating the initial connection will configure the user that well be used for any authenticated WebLogic Server user that does not have a credential mapping the user that well be used as the default for any authenticated WebLogic Server user that does not have a credential mapping the user that well be used as the default for any authenticated WebLogic Server user that does not have a credential mapping the user that well be used as the default for any authenticated WebLogic Server user that does not have a credential mapping the user that well be used as the default for any authenticated WebLogic Server user that does not have a credential mapping the user that well be used as the default for any authenticated WebLogic Server user that does not have a credential mapping the user that well be used as the default for any authenticated WebLogic Server user that does not have a credential mapping the user that well be used as the default for any authenticated WebLogic Server user that does not have a credential mapping the user that well be user that the user that the user that well be user that well be user that the user	ins when thing specifice	e Ily for	
obdx_domain	them. Selecting 'User for unauthenticated user' will configure the user that will be used for an unauthenticated WebLogic Server user. If you select 'Configured User' you must type in the WebLog that you are configuring. This user must be a configured WebLogic Server user.	ic Server u	ser	
B-Environment	User for creating initial connections			
B-Services	Defects Here			
Security Realms	· Default User			
i⊞-Diagnostics	Unauthenticated WLS User			
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#### 5. Click Next

- 6. Create a new Security Credential Mapping -
  - Outbound Connection Pool: ra/DIGXConnectorIDCS
  - WebLogic Server User: Default
  - EIS User Name: <client\_id\_of\_OBAPI\_client\_in\_IDCS>
  - EIS Password: <a href="mailto:</a> <a href="mailto:elient.in">Client in IDCS></a>



Create a New Security Credential X	+	-	٥	×
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Failed (0) Critical (0) Overloaded (0) Warming (0)				•

#### 7. Click Finish

a. Delete **obapi.app.rest.idm.ear** and install deployment **obapi.app.rest.ear** from <Installer\_Path>\OBAPI\_Patch\_Installer\installables\app\components\obapi\deploy\obapi .app.rest.ear in **Installer.zip**.

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(a)ax-rs(2.0,2.22.4.0)				ooux_closter			0		*
□ <b>■</b> jsf(2.0,1.0.0.0_2-2-8)		Active	Library	AdminServer, obdx_cluster	Global		100		
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log4j_jar(1.3,1.2.15)		Active	Library	AdminServer	Global		100	11	
bdx.app.core.domain(18.2.0.2.0,359	))	Active	Library	AdminServer, obdx_cluster	Global		0	1	
bdx.app.core.patch(18.2.0.2.0,359)		Active	Library	AdminServer, obdx_cluster	Global		0		
bdx.app.domain(18.2.0.2.0,359)		Active	Library	AdminServer, obdx_cluster	Global		0		
bdx.app.framework(18.2.0.2.0,359)		Active	Library	AdminServer, obdx_cluster	Global		0		
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bbdx.thirdparty.app.domain(18.2.0.2	0,359)	Active	Library	AdminServer, obdx_cluster	Global		0	11	
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domain.	Yes No
Lock & Edit	Delete Deployments
Release Configuration	You have selected the following deployments to be removed from this domain configuration. Click Yes' to continue, or No' to cancel.
Domain Structure	obdx.app.rest.idm
obdx_domain B-Domain Partitions	Yes No
B-Environment	
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B-Diagnostics	
How do I	
Install an enterprise application	
<ul> <li>Start and stop a deployed enterprise application</li> </ul>	
Configure an enterprise application	
Create a deployment plan	
<ul> <li>Target an enterprise application to a server instance</li> </ul>	
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# 11. Create Client Applications for Internal OBAPI Apps in IDCS Console

Client applications need to be created for below Internal applications.

- Mobile App
- Siri Chatbot
- Snapshot
- Wearable

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Web Tier Policy								
Use this page to configure,	edit, and validate a web tier policy	Additionally, you can impo	ort and export existing poli	cies.				
Configure Web Tier Pol	icy for this application	for later						
Videntity Cloud Service	× +							- 0 >

🌍 Identi	ity Cloud	Service	×	+												-	σ	×
$\leftrightarrow$ $\rightarrow$	C	https://	obdx-ten	ant01.identity.c9d	ev0.oc9qadev.	com/ui/v1/admir	nconsole?root=a	pps&app=add-0	ustomWebApp1	TemplateId		☆	0 0	0	0	0	Θ	:
Apps	🗅 Vi	ew Statement	: 📙 12.0	0.3 📒 OBDX 16.3	2 🗋 Bug Jira	👻 Central JIRA	17.1 Ksupp	17.2 Ksupp	Origination	📙 18.1 & 18.2	18.3	📙 Oracle Li	ve 🥥	Webex				
= •	2		k Ident	ity Cloud Servio	e												AO	^
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< Back				O Details		O Client	O Resources	s We	O Tier Policy	Authorizat	ion						Finish	I
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	OBDX182InstallerM	OBAPP	Activate	🗙 Remove
1	Details Configuration Web Tier Policy Users	Groups		
l			Generate Access Token	Save
	App Details	Application Added ×		
	Application Type Confid	Below is the new Client ID and Client Secret for your application.		
l	* Name OBDX	This information also appears on the Configuration tab in the Details section for the application.		
	Description	Client ID Client III		
		Client Secret		
	Application Icon	Close		
	Uplo	ad		
	Application URL			

### Glossary of parameters:

<client_id_of_snapshot_client></client_id_of_snapshot_client>	Client Id of Snapshot app created in IDCS
<client_id_of_mobileapp_client></client_id_of_mobileapp_client>	Client Id of Mobile app created in IDCS created above
<client_id_of_sirichatbot_client></client_id_of_sirichatbot_client>	Client Id of Siri chatbot app created in IDCS
<client_id_of_wearable_client></client_id_of_wearable_client>	Client Id of Wearable app created in IDCS

Identity Cloud Service   Details × + -								
→ C	ntity.c9dev0.oc9qadev.com/ui/v1/adminconsole?root=apps&app=52526f8ccb6e4ede8a63bb3160c1d975	<b>۲</b>	0	0 📀	Ö		θ	
pps 🗋 View Statement 📙 12.0.3 📙	OBDX 16.2 🗋 Bug Jira 🍟 Central JIRA 📙 17.1 Ksupp 📙 17.2 Ksupp 📙 Origination 📙 18.1 & 18.2 📙 18.3 📒 Ora	acle Live	🔾 Wel	bex				
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8. Click **Activate** button.

Similarly, do the same for the rest.



# 12. Database Scripts (to be executed after day0 scripts)

Replace below parameters in database scripts with appropriate values as per glossary.

<tenant-base-url>

<client\_id\_of\_SNAPSHOT\_client>

<client\_id\_of\_MobileApp\_client>

<client\_id\_of\_SIRICHATBOT\_client>

<client\_id\_of\_WEARABLE\_client>

#### Insert into DIGX\_FW\_CONFIG\_ALL\_B

(PROP\_ID,CATEGORY\_ID,PROP\_VALUE,FACTORY\_SHIPPED\_FLAG,PROP\_COMMENTS,S UMMARY\_TEXT,CREATED\_BY,CREATION\_DATE,LAST\_UPDATED\_BY,LAST\_UPDATED\_D ATE,OBJECT\_STATUS,OBJECT\_VERSION\_NUMBER,EDITABLE,CATEGORY\_DESCRIPTIO N) values ('POLICY\_STORE\_UTIL','SecurityConstants','IGF','N',null,'Security Constant', 'ofssuser',sysdate, 'ofssuser',sysdate, 'Y', 1,'N',null);

update DIGX\_FW\_CONFIG\_ALL\_B set prop\_value = 'ipm1.0,ORACLEBI12.2.1.2,GENERIC1.0,IDCS18.2.4',SUMMARY\_TEXT = 'Entry to set IPM,ORCALE BI and IDCS at enterprise level' where category\_id = 'extxfaceadapterconfig' and prop\_id='01';

Insert into DIGX\_FW\_CONFIG\_VAR\_B

(PROP\_ID,ENV\_ID,PROP\_VALUE,FACTORY\_SHIPPED\_FLAG,PROP\_COMMENTS,CREATE D\_BY,CREATION\_DATE,LAST\_UPDATED\_BY,LAST\_UPDATED\_DATE,OBJECT\_STATUS,OB JECT\_VERSION\_NUMBER,MODULE,DETERMINANT\_VALUE,TYPE,UI\_DEFINITION) values ('HOST\_IP\_IDCS','OBAPI','<u><tenant-base-url></u>','Y','set host IP for IDCS REST calls','ofssuser',sysdate,'ofssuser',sysdate,null,null,'OTHERMODULE','OBDX\_BU','TXT','{"title": "IDCS Host IP","validator":"","required":false}');

Insert into DIGX\_FW\_CONFIG\_VAR\_B (PROP\_ID,ENV\_ID,PROP\_VALUE,FACTORY\_SHIPPED\_FLAG,PROP\_COMMENTS,CREATE D\_BY,CREATION\_DATE,LAST\_UPDATED\_BY,LAST\_UPDATED\_DATE,OBJECT\_STATUS,OB JECT\_VERSION\_NUMBER,MODULE,DETERMINANT\_VALUE,TYPE,UI\_DEFINITION) values ('HOST\_PORT\_IDCS','OBAPI','443','Y','set host Port for IDCS REST calls ','ofssuser',sysdate,'ofssuser',sysdate,null,null,'OTHERMODULE','OBDX\_BU','TXT','{"title": "IDCS Host Port", "validator":"PORT", "required":false}');



Insert into DIGX\_FW\_CONFIG\_VAR\_B

(PROP\_ID,ENV\_ID,PROP\_VALUE,FACTORY\_SHIPPED\_FLAG,PROP\_COMMENTS,CREATE D\_BY,CREATION\_DATE,LAST\_UPDATED\_BY,LAST\_UPDATED\_DATE,OBJECT\_STATUS,O BJECT\_VERSION\_NUMBER,MODULE,DETERMINANT\_VALUE,TYPE,UI\_DEFINITION) values ('IDCS\_CONNECTION\_SCHEME','OBAPI','https','Y','set host connection scheme for IDCS REST calls

','ofssuser',sysdate,'ofssuser',sysdate,null,null,'OTHERMODULE','OBDX\_BU','TXT','{"title": "IDCS Connection Scheme","validator":"","required":false}');

delete from DIGX\_UM\_PWD\_POLICY\_ROLE\_MAP where PASSWORDPOLICYID in ('0000001','9999999');

delete from DIGX\_UM\_PWD\_POLICY where PASSWORDPOLICYID in ('0000001','9999999');

Update DIGX\_FW\_ACCESSPOINT set CLIENT\_ID = '<u><client\_id\_of\_SNAPSHOT\_client></u>' where ID = 'APSNAPSHOT';

Update DIGX\_FW\_ACCESSPOINT set CLIENT\_ID = '<u><client\_id\_of\_MobileApp\_client></u>' where ID = 'APMOBAPP';

Update DIGX\_FW\_ACCESSPOINT set CLIENT\_ID = '<u><client\_id\_of\_SIRICHATBOT\_client></u>' where ID = 'APSIRICHATBOT';

Update DIGX\_FW\_ACCESSPOINT set CLIENT\_ID = '<u><client\_id\_of\_WEARABLE\_client></u>' where ID = 'APWEARABLE';



### 13. Apply Webgate Patch on OHS using OPatch

1. Download the patch from the below link.

https://support.oracle.com/epmos/faces/PatchDetail?\_adf.ctrlstate=hyoym65na\_9&patch\_name=28243743&releaseId=60000000073630&patchId=28243743 &languageId=0&platformId=226&\_afrLoop=441568515075199

2. Run below commands on webgate installation.

[devops@obapiohs ~]\$ export ORACLE\_HOME=<<u>coracle-home-path></u>

Eg. export ORACLE\_HOME=/home/devops/Oracle/Middleware/Oracle\_Home/

[devops@obapiohs ~]\$ export PATH=\$PATH:<a href="mailto:soracle-home-path"></a>/OPatch/

Eg. export PATH=\$PATH:/home/devops/Oracle/Middleware/Oracle\_Home/OPatch/

[devops@obapiohs ~]\$ opatch lsinventory -jre jre-path>

Eg. opatch lsinventory -jre /home/devops/Oracle/Middleware/Oracle\_Home/oracle\_common/jdk/jre/

[devops@obapiohs ~]\$ cd <local-patch-path>

Eg. cd /scratch/obapi/ohs/p28243743\_122130\_Linux-x86-64/28243743/

[devops@obapiohs 28243743]\$ opatch apply





@Obdowhs/srstch/abd//ohu/Sctup/2243743     from : /home/devops/Oracle/Middleware/Oracle_Home//oraInst.loc     OFatch Version : 13.9.2.0.0     Off the location : 13.9.2.0.0     Log file location : /home/devops/Oracle/Middleware/Oracle_Home/cfgtoollogs/opatch/opatch2018-10-12_14-24-34FM_1.log	-	٥	×
OPatch detects the Middleware Home as "/home/devops/Oracle/Middleware/Oracle_Home" Lsinventory Output file location : /home/devops/Oracle/Middleware/Oracle_Home/cfgtoollogs/opatch/lsinv/lsinventory2018-10-12_14-24-34PM.txt			
Local Machine Information:: Hostname: obdxcha.ln.oracie.com ARU platform id: 226 ARU platform description:: Linux_AMD64			
There are no Interim patches installed in this Gracle Home.			
OFatch succeeded. [devopsGobdxohs jre]§ cd /scratch/obdx/ohs/Setup/28243743/ [devopsGobdxohs 2823743]§ opatch apply Oracle Interim Patch Intsaller version 13.9.2.0.0 Copyright (c) 2018, Oracle Corporation. All rights reserved.			
Oracle Home : /home/devops/Oracle/Middleware/Oracle_Home Central Inventory : /home/devops/Oracle/Middleware/Oracle_Home//oraInst.loc from : /home/devops/Oracle/Middleware/Oracle_Home//oraInst.loc OFArchs Version : 13.8.2.0.0 OIV version : 13.8.2.0.0 Log file location : /home/devops/Oracle/Middleware/Oracle_Home/cfgtoollogs/opatch/opatch2018-10-12_14-25-54FM_1.log			
OFatch detects the Middleware Home as "/home/devops/Oracle/Middleware/Oracle_Home"			
Verifying environment and performing prerequisite checks OPatch continues with these patches: 28243743			
Do you want to proceed? [y[n] y			~

3. Enter y



疊 @obdxohs:/scratch/obdx/ohs/Setup/28243743	- 0	×	
[devops@bdaxohs jse]6 cd /acratch/obdx/chs/Setup/28243743/ [devops@bdaxohs 28243743]6 opatch apply Oracle Interim Barch Installer version 13.9.2.0.0 Copyright (c) 2018, Oracle Corporation. All rights reserved.			^
Oracle Home : /home/devops/Oracle/Middleware/Oracle_Home Central Inventory : /home/devops/Oracle/Middleware/Oracle_Home//oraInst.loc OfBatch vermion : 13.9.2.0.0 Odf version : 13.9.2.0.0 Log file location : /home/devops/Oracle/Middleware/Oracle_Home/cfgtcollogs/opatch/opatch2018-10-12_14-25-54FM_1.log			
OPatch detects the Middleware Home as "/home/devops/Oracle/Hiddleware/Oracle_Home"			
Verifying environment and performing prerequisite checks OFatch continues with these patches: 28243743			
Do you want to proceed? [y[n] y User Responded with: Y All checks passed. Please shutdown Ozacle instances running out of this ORACLE HOME on the local system.			
(Oracle Home = '/home/devops/Oracle/Hiddleware/Oracle_Home')			
Is the local system ready for patching? [y]n] Y Der Responded with: Y Backing up files Applyng interim patch '28243743' to OH '/home/devops/Ozacle/Hiddleware/Ozacle_Home' Applysesion: Optional component(s) [ oracle.camclient.webgate.otd, 12.2.1.3.0 ] , [ oracle.camclient.webgate.otd, 12.2.1.3.0 ] not present in the Oracle P her version is found.	iome or		
Patching component oracle.oamclient.webgate.ohs, 12.2.1.3.0			
Patching component orscle.oanclient.vebgate.ohs, 13.2.1.3.0 Patch 28/33743 successfully applied. Log file location: /home/devops/Gracle/Hiddleware/Oracle_Home/cfgtoollogs/opatch/opatch2018-10-12_14-25-54FM_1.log			
OPatch succeeded.			v



# 14. cloud.config

1. Go to this location <<u>ohs-domain-</u> path>/config/fmwconfig/components/OHS/instances/ohs1/webgate/config/

Eg.

/home/devops/Oracle/Middleware/Oracle\_Home/user\_projects/domains/base\_domain/config/ fmwconfig/components/OHS/instances/ohs1/webgate/config/

CREATE THE FOLLOWING FILE NAMED as cloud.config:

2. Replace below parameters in file:

<webserver\_host\_name>

<webserver\_port>

```
{
 "cloudgateConfig":{
   "bootstrap":{
    "callbackPrefix":"<connection scheme>://<webserver host name>:<webserv
er port>/oauth/callback",
    "externalIdUrl":"https://<tenant-base-url>",
    "refresh_token":false
   },
   "rest":{
    "httpsVerifyHost":false,
    "httpsVerifyServer":false,
    "httpsCertAuthFile":"",
    "httpsCrlFile":""
   }
 }
}
```



# 15. cloud.policy

Go to this location <<u>ohs-domain-</u> path>/config/fmwconfig/components/OHS/instances/ohs1/webgate/config/

E.g..

/home/devops/Oracle/Middleware/Oracle\_Home/user\_projects/domains/base\_domain/co nfig/fmwconfig/components/OHS/instances/ohs1/webgate/config/

CREATE THE FOLLOWING FILE NAMED as cloud.policy:

1. Replace below parameter.

<allowed\_scope\_name\_of\_scope\_protected\_in\_OBAPI\_Client\_App>



```
"cloudgatePolicy":{
 "webtierPolicy":[
   {
     "policyName":"default",
     "resourceFilters":[
       {
         "comment": "Test Application OAuth+Logout Filter",
         "type":"text",
         "filter":"/logout",
         "method":"oauth+logout"
       },
       {
         "comment": "Test Application Public Filter",
         "type":"regex",
         "filter":"/*.js",
         "method":"anonymous",
         "headers":[
           {
             "PolicyName": "$request.policy_name"
           },
           {
             "PolicyResourceMatched":"$request.policy_res"
         1
       },
       {
         "comment": "Test Application OAuth Filter",
         "type":"regex",
         "filter":"/pages/*
         "method":"oauth",
         "authorize":true,
         "scope":"<allowed_scope_name_of_protected_in_OBAPI_Client_App> openid",
         "idcsscope": "protected openid",
         "headers":[
           {
             "UserName":"$subject.user.name"
           },
           {
             "PrimaryEmail":"$subject.user.emails"
           },
           {
             "PolicyName": "$request.policy_name"
           },
           {
             "PolicyResourceMatched": "$request.policy_res"
         ]
       },
       {
         "comment": "Test Application Public Filter",
         "type":"regex",
"filter":"/**",
         "method":"anonymous",
                    "headers":[
                        {
```

{



#### cloud.policy





# 16. CWallet configuration

[devops@obapiohs ~]\$ mkdir <a href="mailto:config/fmwconfig/components/OHS/instances/ohs1/webgate/config/cwg\_wallet">mkdir <a href="mailto:config/fmwconfig/cwg\_wallet">config/fmwconfig/cwg\_wallet</a>

Eg. mkdir

/home/devops/Oracle/Middleware/Oracle\_Home/user\_projects/domains/base\_domain/config/fmw config/components/OHS/instances/ohs1/webgate/config/cwg\_wallet

[devops@obapiohs ~]\$ cd <oracle-home-path>/oracle\_common/bin/

[devops@obapiohs bin]\$ ./orapki wallet create -wallet <<u>ohs-domain-</u> path>/config/fmwconfig/components/OHS/instances/ohs1/webgate/config/cwg\_wallet -auto\_login

Eg. ./orapki wallet create -wallet

/home/devops/Oracle/Middleware/Oracle\_Home/user\_projects/domains/base\_domain/config/fmw config/components/OHS/instances/ohs1/webgate/config/cwg\_wallet -auto\_login

You will be asked to create wallet password here.

P @obdxohs:~/Oracle/Middleware/Oracle_Home/oracle_common/bin —	o ×	
gate/config/cha common_scripts)% c/home/devops/Oracle/Middleware/Oracle Home/user_projects/domains/base_domain/config/tmwconfig/components/OHS/instances/OHS/i	common_s	î
[devops@cbdxohs config]6 [devops@cbdxohs config]6 [devops@cbdxohs config]6 [devops@cbdxohs config]6 pwd //num/devops/losi2/Miduleware/Oracle_Home/user_projects/domains/base_domain/config/fmwconfig/components/OHS/instances/ohs1/webgate/config		
leeropasoukuis contujy 19-110 drwxrwxr-x 2 devopa devopa 4096 Jun 12 15:30 simple -swr-rw2   devopa devopa 15023 Jun 12 15:30 oblog_onfig_wy.xml		
<pre>(laevopsdbakms bonil]'s cp /strictn/bdak/6 (davopsdbakms contig)'s cp /strictn/bdak/ohs/Setup/ 20243743 - cloud.contig)'s cp /strictn/bdak/ohs/Setup/ [davopsdbakms contig]'s p /strictn/bdak/ohs/Setup/cloud.* . [davopsdbakms contig] is -ltt</pre>		
zozał 28 drwarwar-x 2 devops devops 4096 Jun 12 15:30 simple -zwrr 1 devops devops 15028 Jun 12 15:30 oblog_config_wg.xml		
-tw-tw-t 1 devops devops 2285 Oct 12 14:38 cloud.policy -tw-tw-t 1 devops devops 425 Oct 12 14:38 cloud.config [devops@cbukkna config]* vi cloud.config/components/OHS ces/cbai/vebukar/config/vog valte* auto login Gracle FRT Tool: Version 13.2.1.3.0 Copyright [c] 2004, 2017, Oracle and/or its affiliates. All rights reserved.	config S/instar	1
Enter password: Enter password again: Operation 1: successfully completed. [devops@obdxohs bin]3		

[devops@obapiohs bin]\$ export JAVA\_HOME=<<u>ire-path></u>

Eg. export JAVA\_HOME=/home/devops/Oracle/Middleware/Oracle\_Home/oracle\_common/jdk/jre



#### [devops@obapiohs bin]\$ ./mkstore -wrl <ohs-domain-

<u>path></u>/config/fmwconfig/components/OHS/instances/ohs1/webgate/config/cwg\_wallet - createUserCredential CWG id\_secret\_key <a href="https://config.com">client-id></a> <a href="https://config.com">client-id></a> <a href="https://config.com">client-id></a> <a href="https://config.com">client-id></a> <a href="https://config.com">client-id></a> <a href="https://config.com">client-id></a> <a href="https://config.com">config.cwg\_wallet - createUserCredential CWG id\_secret\_key">client-id></a> <a href="https://config.com">client-id></a> </a>

#### Eg. ./mkstore -wrl

/home/devops/Oracle/Middleware/Oracle\_Home/user\_projects/domains/base\_domain/config/fmw config/components/OHS/instances/ohs1/webgate/config/cwg\_wallet -createUserCredential CWG id\_secret\_key <client-id> <client-secret>



<passphrase> is the password phrase used for encryption. Enter a passphrase in below command and execute it.

[root@obapiohs devops]# openssl enc -aes-128-cbc -k "<passphrase>" -P -md sha256

salt=4EBB2F22640F225F

key=701593B3EDE07C37FD09ECB532F7E0E5

iv =E5D3D73CED2C624900F952C05BC73A6E

[devops@obapiohs bin]\$ ./mkstore -wrl <<u>ohs-domain-</u> path>/config/fmwconfig/components/OHS/instances/ohs1/webgate/config/cwg\_wallet createUserCredential CWG enc\_key enc <<u>key></u>

Eg. ./mkstore -wrl

/home/devops/Oracle/Middleware/Oracle\_Home/user\_projects/domains/base\_domain/config/fmw config/components/OHS/instances/ohs1/webgate/config/cwg\_wallet -createUserCredential CWG enc\_key enc <key>

Please enter the wallet password given above.



[devops@obapiohs bin]\$ ./orapki wallet display -wallet <<u>ohs-domain-</u> path>/config/fmwconfig/components/OHS/instances/ohs1/webgate/config/cwg\_wallet

#### Eg. ./orapki wallet display -wallet

/home/devops/Oracle/Middleware/Oracle\_Home/user\_projects/domains/base\_domain/config/fmw config/components/OHS/instances/ohs1/webgate/config/cwg\_wallet





# 17. Enabling webgate in httpd.conf

Go to <<u>ohs-domain-path></u>/config/fmwconfig/components/OHS/instances/ohs1/

Eg.

/home/devops/Oracle/Middleware/Oracle\_Home/user\_projects/domains/base\_domain/config/fmw config/components/OHS/instances/ohs1/

UNCOMMENT THE FOLLOWING:

include "webgate.conf"



# 18. Change in mod\_wl\_ohs.conf

Go to <<u>ohs-domain-path></u>/config/fmwconfig/components/OHS/instances/ohs1/

ADD THE FOLLOWING:

<lfModule weblogic\_module>

WebLogicHost obapiwls.in.oracle.com

WebLogicPort 12003

**Debug ON** 

WLLogFile /scratch/obapi/ohs/logs/weblogic.log

MatchExpression /digx/\*

</lfModule>

<Location /digx>

**WLSRequest On** 

WLProxySSL ON

WLProxySSLPassThrough ON

</Location>



### 19. UI Changes

### 19.1 constants.js:

In UI deployments, go to channel\framework\js\constants\constants.js file, keep the value of 'authenticator' as below.

authenticator: "IDCSAuthenticator"

### 19.2 idcs-config.json:

In UI deployments, go to channel\json\index\login\idcs-config.json file, put the appropriate values of OBAPI Client Application in IDCS.

- <client\_id\_of\_obapi\_client\_app\_in\_idcs> is client id of client application. Eg.
   "00fa15d18cd147398ca4b53f957a4e3f"
- <client\_secret\_of\_obapi\_client\_app\_in\_idcs> is the client secret of client application.

