Oracle Banking Digital Experience

OHS User Interface Configuration Guide

Release 18.1.0.0.0

Part No. E92727-01

January 2018

ORACLE

OHS User Interface Configuration Guide January 2018

Oracle Financial Services Software Limited Oracle Park Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India Worldwide Inquiries: Phone: +91 22 6718 3000 Fax:+91 22 6718 3001 www.oracle.com/financialservices/

Copyright © 2018, Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Table of Contents

Prefac	ce	4
In	tended Audience	4
2 D	ocumentation Accessibility	4
B A	ccess to OFSS Support	4
St	tructure	4
i R	elated Information Sources	4
Pre-re	equisite	5
UI dep	oloyment	6
Config	guration to run UI on Oracle HTTP Server	8
A	uthentication Configuration:	10
		10
4.1.1	Configuring the OAM Authentication	
	Ir D A S Pre-re JI dep Config	Intended Audience Documentation Accessibility Access to OFSS Support Structure Related Information Sources Pre-requisite JI deployment Configuration to run UI on Oracle HTTP Server

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

1.3 Access to OFSS Support

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

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

- Prerequisite
- UI Deployment
- Configuration / Installation

1.5 Related Information Sources

For more information on Oracle Banking Digital Experience Release 18.1.0.0.0, refer to the following documents:

- Oracle Banking Digital Experience Licensing Guide
- Oracle Banking Digital Experience Security Guide

2. Pre-requisite

OHS software along with instance should be available for use.

<u>Home</u>

3. UI deployment

Below steps needs to be performed for UI deployment on OHS server.

• Copy the obdx.conf from OBDX_Installer/installables/ui/config directory into the instance config directory (where httpd.conf is present).

🖕 config - obdxdevops@mum00aqk - WinSCP								-	0)
Local Mark Files Commands Session Option	ons <u>R</u> emote	<u>H</u> elp							
🖶 🚝 📮 Synchronize 🔳 🧬 💽 🛞	Queue ·	Transfer Setting	s Default	- 🧭 -					
莫 obdxdevops@mum00aqk 📑 New Session	1								
🖹 My documents 🔹 📲 🔽 🖛 🖬	-	🏦 🥔 🐾			📙 config 🔹 📲 🕎 🛛 🖛 🔹 🖘 🗸	🗈 🖸 🏠 🎜 🖸	Find Files 😪		
📓 Upload 👻 📝 Edit 👻 📈 🕞 Propert	ies 📑 🖻	+ - V			😭 Download 👻 🏹 Edit 👻 🛃 🕞 Pro	operties 📑 🕞 🖡			
C:\Users\MGARI\Documents					/scratch/obdxdevops/OBDX_Installer/installable				
Name	Size	Туре	Changed		Name	Size	Changed	Rights	Owner
t.		Parent directory	7/21/2017 11:23:42 AM		e.		7/20/2017 6:39:54 PM	IWXIWXIWX	obdxde
Lightshot		File folder	6/12/2017 11:37:00 AM		obdx.conf	5 KB	7/20/2017 6:39:56 PM	IWXIWXIWX	obdxde
plsqldoc		File folder	6/17/2016 2:38:43 PM						
Remote Assistance Logs		File folder	2/13/2017 3:19:02 PM						
SyncDroid		File folder	7/13/2017 11:53:57 AM						
cwallet.sso	1 KB	SSO File	7/11/2017 10:55:07 AM						
FF questionnaire (2).doc	63 KB	Microsoft Office	2/15/2017 2:31:26 PM						
🖳 Limits.xls	291 KB	Microsoft Office E	12/8/2016 4:28:04 PM						
ObAccessClient.xml	4 KB	XML Document	7/11/2017 10:55:07 AM						
bdx.conf	5 KB	CONF File	7/20/2017 6:39:56 PM						
SexualAwarenessTestCompleted.xls	112 KB	Microsoft Office E	12/14/2016 12:41:16 PM						
SynKernelDiag2016-06-29_09-28-08.log	8,386 KB	Text Document	6/29/2016 9:28:12 AM						
B of 8,859 KB in 0 of 11				5 hidden	0 B of 4,808 B in 0 of 1		Α.	FTP-3	0:02:3
	_			_				p4q.	11.00.4
🗄 A 🖽 📄 🧿 1	2	🕘 🛕	🔄 🚺 🤸	🖾 💉	Mai 🔁 🔁			🖻 🔛 📣 属	11:23 A

• Create a directory where obdx UI files would be deployed on OHS server.

Lead Mark Files Commands Session Options Remote Help Southed-coop@muni00ate Company Session Character Session Properties Session Character Se	🖬 deploy - obdxdevops@mum00aqk - WinSCP								-	0 >
Obdicespo@mum008kg Public Pu										
My documents My document	🎛 🔀 📚 Synchronize 🗾 🧬 💽 🏼 🎯	👌 🎲 Queue 🔹 🛛 Transfer S	ettings Default	- 🧭 -						
Operation (2).doc 63: 8 Microsoft Office 12/1/2017 10:55:07 AM © bhaccessClient.xml 4: 8 XM. Documents 7/1/2017 10:55:07 AM Supervise (2).doc 63: 8 Microsoft Office 12/1/2017 10:55:07 AM © bhaccessClient.xml 4: 8 XM. Document 7/1/2017 10:55:07 AM Supervise (2).doc 63: 8 Microsoft Office 12/1/2017 10:55:07 AM © bhaccessClient.xml 4: 8 XM. Document 7/1/2017 10:55:07 AM Supervise (2).doc 63: 8 Microsoft Office 12/1/2017 10:55:07 AM © bhaccessClient.xml 4: 8 XM. Document 7/1/2017 10:55:07 AM Supervise (2).doc 63: 8 Microsoft Office 12/1/2017 10:55:07 AM © bbaccessClient.xml 4: 8 XM. Document 7/11/2017 10:55:07 AM Supervise (2).doc 63: 8 Microsoft Office 12/1/2017 10:55:07 AM © bbaccessClient.xml 4: 8 XM. Document 7/11/2017 10:55:07 AM Supervise (2).doc 5: 8 Constraint 6: 4: 4: 8: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4:	💂 obdxdevops@mum00aqk 📑 New Sessic	on								
ChUsers/MGAR/Documents /scratch/obdude:ops/ui/deploy Name Size Type Changed Rights Lightshot Parent directory 17/21/2017 11:23:42 AM Name Size Changed Rights Lightshot File folder 6/12/2017 11:32:42 AM Name Size Changed Rights Spachorid File folder 0/12/2017 11:32:32 AM Name Size Changed Rights Synchroid File folder 0/12/2017 11:32:37 AM Name Size Name Siz	🖹 My documents 🔹 🍯 🛐 💷 🔹	🔶 - 🗈 🖬 🏠 😤 🐁			📙 deploy 💿 🔹 🚰 🕎		🏫 🌮 🖻	Find Files 📍		
Name Size Type Changed Parent directory 7/21/2017 11:23:42 AM Name Size Changed Rights Lightshot File folder 6/1/2016 12:38:43 PM File folder 6/1/2017 11:23:42 AM Specifico File folder 6/1/2016 12:38:43 PM File folder 7/20/2017 5:05:28 PM nxxxxxxxxx Synchroid File folder 7/1/2017 11:53:57 AM Size Changed File folder Owallet.sso 1 KB SSO File 7/11/2017 10:55:07 AM File folder 1/1/2017 10:55:07 AM Disc.scsClient.xml 4 KB XML Document 7/1/2017 10:55:07 AM File folder 1/1/2017 10:55:07 AM Dodx.corf 5 KB CONF File 1/2/2/2017 10:55:07 AM File folder 1/1/2017 10:55:07 AM Obdx.corf 5 KB CONF File 1/2/2/2017 10:55:07 AM File folder 1/1/2017 10:55:07 AM Dodx.corf 5 KB CONF File 1/2/2/2017 10:55:07 AM File folder 1/1/2016 12:41:16 PM	🗊 Upload 🔹 📝 Edit 👻 🚮 🕞 Prope	rties 📑 🚡 🛨 🖃 🗹			😭 Download 👻 📝 Edit 🔸	🗙 🛃 🕞 Properties 👔	1 🖻 🗄			
Name Size Uppe Changed Name Size Changed Rights	:\Users\MGARI\Documents				/scratch/obdxdevops/ui/deplo	у				
Lightshot File folder 6/1/2001 T113700 AM plpalpdoc File folder 6/1/2001 T113700 AM Remote Assistance Logs File folder 2/1/2017 3.19.02 PM SyncDroid File folder 7/1/2017 11:55.57 AM Cwallet.sso 1KB SOP File 7/1/2017 10:55.57 AM Iff Fq questionnaire (2).doc 6 KB Microsoft Office 2/1/2017 231:26 FM Ibinst.ssi 231 KB Microsoft Office 2/1/2017 125:507 AM ObAccessClient.xml 4 KB XML Document 7/1/2017 10:55:07 AM ObAccessClient.xml 5 KB CONF File 7/1/2017 10:55:07 AM ObAccessClient.xml 5 KB CONF File 7/1/2017 10:55:07 AM SoulAwarenesTestCompleted.xts 112 KB Microsoft Office L24:16 PM	Name	Size Type	Changed		Name		Size	Changed	Rights	Owner
	i Lighthot plogldoc Remote Assistance Logs SyncDroid C wallet.sso @IFF questionnaire (2).doc @Irimitx.ds DobAccessClient.xml DobAcconf B SexualAvarenessTestCompleted.sts	File folder File folder File folder File folder File folder 1 KB SSO File 3 KB Microsoft Office 4 KB XML Document 5 KB CONF File 112 KB Microsoft Office	6/12/2017 11:37:00 AM 6/17/2016 2:38:43 PM 2/13/2017 31:902 PM 7/13/2017 11:53:57 AM 7/11/2017 11:53:57 AM 7/11/2017 10:55:07 AM 7/11/2017 10:55:07 AM 7/20/2017 6:39:56 PM E 12/14/2016 12:41:16 PM					7/20/2017 5-65-28 PM	PROTIVITIVE	obdxde.
B of 8,559 KB in 0 of 11 5 hidden 0 B of 0 B in 0 of 0	B of 8,859 KB in 0 of 11			5 hidden (Bof0Bin0of0					
🔓 SFTP-3 🔩									SFTP-3 🔍	0:03:31

Copy all files / directories from OBDX_Installer/installables/ui/deploy into newly created directory.

🖢 deploy - obdxdevops@mum00aqk - WinSC	P							-	ø >
Local Mark Files Commands Session Op	tions <u>R</u> emote	Help							
🖶 竁 📚 Synchronize 🔳 🧬 💽 🕷	👌 諭 Queue	- Transfer Setting	gs Default 🔹	<i>6</i> 9 -					
📮 obdxdevops@mum00aqk 🛭 🙀 New Sessi	ion								
💶 D: Data 🔹 🥵 🐨 🔹 🖛	-> - 🖻 🗖	1 🏦 🤁 🐁			- 🚔 💽 🔷 - 🚽	🖬 🗖 🏦 🎜 🗈	Find Files 📍		
🞲 Upload 🔹 📝 Edit 👻 🚮 🕞 Prop	erties 📑 🕞	+ - 🗸			😭 Download 🔹 📝 Edit 👻 📈 🕞 Prop	erties 📑 🕞 🗄	- 🗸		
D:\OHS					/scratch/obdxdevops/ui/deploy				
Name	Size	Туре	Changed		Name	Size	Changed	Rights	Owner
t		Parent directory	7/21/2017 11:26:42 AM		•		7/20/2017 5:05:28 PM	DVXDVXDVX	obdxde.
admin		File folder	7/21/2017 11:25:54 AM		admin		7/21/2017 11:27:03 AM	DWXDWXF-X	obdxde.
brand-engine		File folder	7/21/2017 11:25:54 AM		brand-engine		7/21/2017 11:27:03 AM	DWXDWXF-X	obdxde.
components		File folder	7/21/2017 11:26:07 AM		components		7/21/2017 11:27:12 AM	DWXDWXF-X	obdxde.
corporate		File folder	7/21/2017 11:26:08 AM		corporate		7/21/2017 11:27:12 AM	rwxrwxr-x	obdxde
framework		File folder	7/21/2017 11:26:19 AM		framework		7/21/2017 11:27:18 AM	rwxrwxr-x	obdxde
images		File folder	7/21/2017 11:26:23 AM		images		7/21/2017 11:27:20 AM	rwxrwxr-x	obdxde
index		File folder	7/21/2017 11:26:23 AM		index		7/21/2017 11:27:20 AM	rwxrwxr-x	obdxde
pages		File folder	7/21/2017 11:26:24 AM		pages		7/21/2017 11:27:20 AM	rwxrwxr-x	obdxde
partials		File folder	7/21/2017 11:26:26 AM		partials		7/21/2017 11:27:21 AM	rwxrwxr-x	obdxde
resources		File folder	7/21/2017 11:26:26 AM		resources		7/21/2017 11:27:21 AM	rwxrwxr-x	obdxde
retail		File folder	7/21/2017 11:26:32 AM		retail		7/21/2017 11:27:24 AM	rwxrwxr-x	obdxde
third-party		File folder	7/21/2017 11:26:33 AM		third-party		7/21/2017 11:27:24 AM	rwxrwxr-x	obdxde
wallet		File folder	7/21/2017 11:26:33 AM		wallet		7/21/2017 11:27:24 AM	rwxrwxr-x	obdxde
webhelp		File folder	7/21/2017 11:26:34 AM		webhelp		7/21/2017 11:27:28 AM	rwxrwxr-x	obdxde
build.txt	333 KB	Text Document	7/20/2017 6:39:55 PM		build.txt	333 KB	7/20/2017 6:39:55 PM	rw-rw-r	obdxde.
buildnum	1 KB	File	7/20/2017 6:39:55 PM		buildnum	1 KB	7/20/2017 6:39:55 PM	rw-rw-r	obdxde
\min index.html	6 KB	Firefox HTML Doc	7/20/2017 6:39:56 PM		index.html	6 KB	7/20/2017 6:39:56 PM	rw-rw-r	obdxde
manifest.json	1 KB	JSON File	7/20/2017 6:39:56 PM		manifest.json	1 KB	7/20/2017 6:39:56 PM	rw-rw-r	obdxde
🕈 sw.js	1 KB	JavaScript File	7/20/2017 6:39:56 PM		📓 sw.js	1 KB	7/20/2017 6:39:56 PM	rw-rw-r	obdxde
B of 340 KB in 0 of 19					0 B of 340 KB in 0 of 19				
							🔒 S	FTP-3 🗐	0:06:2
= 🔎 🗆 📄 🔵	e 📝	(a)	🔄 🚺 🤸 🛤		📖 🥾			I I I I I I I I I I I I I I I I I I I	11:27 A

Home

4. Configuration to run UI on Oracle HTTP Server

Make sure following OHS modules must be loaded

- mod_rewrite.so
- mod_deflate.so
- mod_expires.so
- mod_mime.so
- mod_headers.so

Following are the changes need to be done in the obdx.conf file and place this file in same folder where httpd.conf file exists.

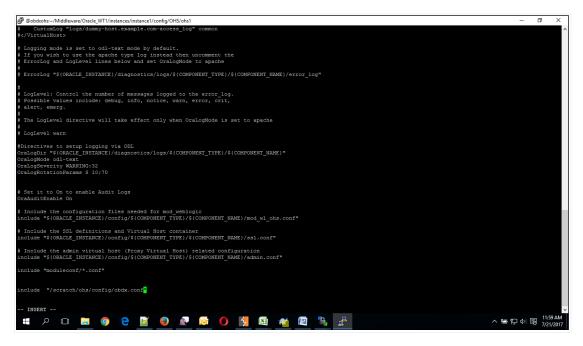
- 1. Replace the <CHANNEL_PATH> (all occurrences) with the newly created directory (from previous UI deployment step).
- 2. Configuration for Content Security Policy, refer to the below document

Oracle Banking Digital Experience Security Guide

Include the obdx.conf into httpd.conf using below configuration

include "obdx.conf" (needs to be added in httpd.conf)

Read obdx.conf for inline documentation.



Following are the changes need to be done in mod_wl_ohs.conf

Copy below configuration into mod_wl_ohs.conf <IfModule weblogic_module> WebLogicHost HOSTNAME WebLogicPort MANAGE_SERVER_PORT Debug ON WLLogFile DIR/FILENAEME MatchExpression /digx/*

</lfModule>

Configure below properties

- a. HOSTNAME Weblogic server hostname (where OBDX weblogic domain is configured)
- b. MANAGE_SERVER_PORT Weblogic manage server port (where OBDX application is deployed)
- c. DIR / FILENAME Path where log file should be generated

Sample configuration (for reference purpose only)

<IfModule weblogic_module>

WebLogicHost wls_server1 WebLogicPort 7003 Debug ON WLLogFile /tmp/weblogic_obp.log MatchExpression /digx/*

</lfModule>

Produktion -//Middleware/Oracle_WT1/instances/instance1/config/OH5/ohs1	- 0	Х
drwx 1 devops devops 4096 Nov 10 2016 fastogi		^
drxx 1 devops devops 4096 Nov 10 2016 fcgi-bin drxx 1 devops devops 4096 Nov 10 2016 htdocs		
I war - I devojs devojs devojs 3002 JU 21 06:29 httpd:conf		
-rw1 devops devops 38047 Nov 10 2016 httpd.conf.ORIG		
drwxr-x 1 devops devops 4096 Nov 10 2016 icons		
drwx 1 devops devops 4096 Nov 10 2016 keystores		
-rw 1 devops devops 12959 Nov 10 2016 magic		
drxx 1 devops devops 1288 Nov 10 2016 mann drxx 1 devops devops 1288 Nov 10 2016 mannal		
drwx 1 devops devops 12205 w0v 10 2016 mmildal -xw 1 devops devops 15202 Nov 10 2016 mmildal		
dwx 1 devogs devogs 4096 Nov 10 2016 mod plag1		
-rw 1 devops devops 617 Jul 20 10:45 mod w1 ohs.conf		
drwx 1 devops devops 4096 Nov 10 2016 moduleconf		
drwx 1 devops devops 4096 Nov 10 2016 proxy-wallet		
-rw 1 devops devops 2966 Nov 10 2016 sela.conf drwxrwxr-x 1 devops devops 4096 Nov 11 2016 webgate		
drwirwirki devops devops 1096 Nov 11 2016 webgate -rw-rw-r-1 devops devops 2121 Nov 11 2016 webgate.conf		
Idevops@obdxohs.ohs18		
[devops@obdxohs_ohs1]\$		
[devops@obdxohs ohs1]\$		
[devops@obdxohs ohs1]\$		
[devops@cbdxchs chs1]\$ vi mod_wl_chs.conf		
[devops@obdxohs ohs1]\$ cat mod_v1_ohs.conf # NOTE : This is a template to configure mod weblogic.		
* NOIE . THIS IS a CEMPLACE CO CONTIGUE MOL_WEDIOGIC.		
LoadModule weblogic module "\$(ORACLE HOME)/ohs/modules/mod w1 ohs.so"		
# This empty block is needed to save mod_w1 related configuration from EM to this file when changes are made at the Base Virtual Host Level		
<ifmodule module="" weblogic=""></ifmodule>		
WebLogieHost mum00agk WebLogieRost 7003		
Debug ON		
WLlogfile /tmp/weblogic.log		
MatchExpression /digx/*		
# <location weblogic=""></location>		
# SetHandler weblogic-handler # Parthrim /weblogic		
Fourier /weblogic ForceAge trop://WEBLOGIC HOME:WEBLOGIC FORT/		
#		
[devops@obdxohs_ohs1]\$	10	-06 PM
🛤 🕫 📼 🛢 🎯 🔁 📓 🔊 🔊 🚺 🧏 🜆 🏘 🖉 🍢 🛃	へ 雪 聖 小 尾 7/2	21/2017
		_

4.1 Authentication Configuration:

OBDX product ships with two type of authentication methods:

- 1. OAM Authentication
- 2. Non OAM Authentication

4.1.1 Configuring the OAM Authentication

By default OAM server URL is set as http://mum00aon.in.oracle.com:14100/oam/server

Replace it to your OAM server URL in the following files:

- 1. <CHANNEL_PATH>/components/login/login-form-web/ko/bindings/login-form-webbindings.js
- 2. <CHANNEL_PATH>/framework/js/constants/constants.js
 - a. Set the authenticator property as "OUD".

4.1.2 Configuring the Non OAM Authentication

Configuring Non OAM Authentication implementer needs to change following files:

- 1. <CHANNEL_PATH>/framework/js/constants/constants.js
 - a. Set the authenticator property as "OBDXAuthenticator".

2. **\$MIDDLEWARE_HOME/**

Oracle_WT1/instances/instance1/config/OHS/ohs1/httpd.conf

b. Remove webgate.conf entry

Google Map Configuration:

By default Google map SDK URL is set as

https://maps.googleapis.com/maps/api/js?key=AlzaSyCYFGuo6wj7CTEaBILF3qaRcJJWuYI53f8 &libraries=geometry,places

Replace it to your Google map SDK URL in the following files:

- <CHANNEL_PATH>/components/inputs/map/ko/bindings/map-bindings.js
- <CHANNEL_PATH>/components/location-maintenance/location-add/ko/bindings/locationadd-bindings.js
- <CHANNEL_PATH>/components/location-maintenance/locationupdate/ko/bindings/location-update-bindings.js
- <CHANNEL_PATH>/components/atm-branch-locator/locator/ko/bindings/locator-bindings.js

Social Media Configurations:

By default Linkedin and Facebook API key is set as

Linkedin Key: 86hg2yshsq76yd

Facebook Key: 233137313819556

Replace it to your social media API keys in the following files:

- <CHANNEL_PATH>/components/social-media/facebook/ko/bindings/facebook-bindings.js
- <CHANNEL_PATH>/components/social-media/linkedin/ko/bindings/linkedin-bindings.js

Configuring HOST specific static resources lookup:

- In Origination module there are host specific static resource lookup are needed. So depends on the HOST you need to set HOSTID property in UI. For this implementer needs to do following change:
 - 1. <CHANNEL_PATH>/framework/js/constants/constants.js
 - a. Set host property value to fcubs in case of UBS and THP
 - b. Set host property value to **obp** in case of OBP Base and OBP LZN.
 - c. Set host property value to ofsll in case of FLL

Wallet Configurations:

By default OBDX Base server URL is set as http://mum00apu.in.oracle.com:7777/digx/v1/

Replace it to your OBDX Base server URL in the following files:

- <CHANNEL_PATH>/components/wallet-external/addfund/ko/bindings/addfund-bindings.js
- <CHANNEL_PATH>/components/wallet/add_paymentMode/ko/bindings/add_paymentModebindings.js

Since OBDX UI support Subresource integrity and changing files mentioned above will impact it and files which are changed won't work. SHA hash for all files are maintained in **<CHANNEL_PATH>/framework/js/pages/security.js.** There are two ways for solving this problem:

- Remove the SHA hash of the changed files along with the file name in security.js
- Generate SHA hash of modified files and update it in the security.js

Once all above steps are completed, restart the OHS server.

For the restarting of the OHS Server first go to the bin directory of the OHS instance.

🛃 @obdxohs:~/Middlewa	re/Oracle_WT1/instances/	/instance1/bin				– 0 ×
Using username "ob	dxdevops".					\sim
obdxdevops@mum00aq		7 from dhcp-in-ofss-1	0-190-57-108 in orac	le com		
		make changes, please		.16.000		
http://devops.or						
User: bhushan.s.ma	nde					
Expires: None						
Reservation type:	group					
This host is cur	rently reserved f	or group use by the u	ser above.			
Use: OBDX 17.2 Ins	taller Testing					
Host specific info	(below) - you ca	n modify contents of	/etc/motd_hostinfo a	s needed to update d	lata:	
[obdxdevops@mum00a	qk ~]\$ docker ps					
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
5df5b8f650af	ubs172/ohs	"/bin/bash"	20 hours ago	Up 20 hours	0.0.0.0:7776->7777/tcp	Installer_OHS_THP
e8eb0d2f6420	ubs172/ohs	"/bin/bash"	20 hours ago	Up 20 hours		Installer_OHS_UBS
236c8719824c	w1s12212	"/bin/bash"	20 hours ago	Up 20 hours	0.0.0.0:8001->8001/tcp, 0.0.0.0:8003->8003/tcp	
97824a3274ea	w1s12212	"/bin/bash"	20 hours ago	Up 20 hours	0.0.0.0:7001->7001/tcp, 0.0.0.0:7003->7003/tcp	Installer_WLS_UBS
		c -itu Installer_OHS_	OBS			
"docker exec" requ		rgument(s).				
See 'docker exec -	-neip.					
Usage: docker exe	c [OPTIONS] CONTA	INER COMMAND [ARG]				
Run a command in a	running containe					
		c -itu Installer OHS	UBS /bin/bash			
"docker exec" requ						
See 'docker exec -						
Usage: docker exe	c [OPTIONS] CONTA	INER COMMAND [ARG]				
Run a command in a	running containe					
		c -itu devops Install	er OHS UBS /bin/bash			
		/Middleware/Oracle WT				
[devops@obdxohs bi						
						\sim
	📄 💿	📝 😩 🔊		- 👞 📠 🧤	· 🔨 🐣 🔹 🔨	
				# 🤷 🛤 🚓		7/21/2017



opmnctl is the command for controlling all the instance of OHS including start, stop, restart and status.

@obdxobs:~/Middlew	vare/Oracle WT1/instances/ins	tance1/bin					- 0	X
Using username "o obdxdevops@mum00a Last login: Thu J	bdxdevops". qk's password: ul 20 23:25:34 2017 managed system. To m	from dhcp-in-ofss-1		le.com				^
User: bhushan.s.m Expires: None	ande							
Reservation type: This host is cu	group mrrently reserved for	group use by the u	ser above.					
Use: OBDX 17.2 In	staller Testing							
Host specific inf	o (below) - you can	modify contents of .	/etc/motd_hostinfo as	s needed to update da				
CONTAINER ID 5df5b0f650af e8eb0d2f6420 236c8719824c 97824a3274ea [obdxdevops@mum00 "docker exec" reg See 'docker exec		COMMAND "/bin/bash" "/bin/bash" "/bin/bash" -itu Installer_OHS_ ument(s).	CREATED 20 hours ago 20 hours ago 20 hours ago 20 hours ago JBS	STATUS Up 20 hours Up 20 hours Up 20 hours Up 20 hours		0.0.0.0:8003->8003/tcp 0.0.0.0:7003->7003/tcp	NAMES Installer_OHS_T Installer_OHS_U Installer_WLS_T Installer_WLS_U	BS HP
Run a command in [obdxdevops@mum00	<pre>ec [OPTIONS] CONTAIN a running container aqk ~]\$ docker exec uires at least 2 arghelp'.</pre>	-itu Installer_OHS_1	JBS /bin/bash					
Usage: docker ex	ec [OPTIONS] CONTAIN	ER COMMAND [ARG]						
[obdxdevops@mum00 ndevops@obdxohs / [devops@obdxohs b opmnctl	a running container aqk ~]\$ docker exec]\$ cd /home/devops/M in]\$ ls in]\$./opmnctl statu	iddleware/Oracle_WT						
ا ک	<u>=</u> 🧿 e	<u>e</u> 🧕 🖻	o 🛃 🖻	<u>*</u> <u>*</u> *	<u></u>		< 별 닫 Φ) 탄 7/2	36 PM 1/2017

Note : please ignore docker commands.

A a transmission	(0. 1. HTT) (C				- n x
© @obdxohs:~/Middle Jsing username "	eware/Oracle_WT1/instances	/instance1/bin				= U X
	agk's password:					
		17 from dhcp-in-ofss-1		le.com		
		make changes, please	e visit			
nttp://devops.	oraclecorp.com					
Jser: bhushan.s.	mande					
Expires: None						
Reservation type						
		or group use by the u	iser above.			
Jse: OBDX 17.2 I	nstaller Testing					
lost specific in	ifo (below) - you ca	an modify contents of	/etc/motd hostinfo a	a needed to undate of	inta:	
	Jou ou	Jonochoo or	uoootiito u			
	Oagk ~]\$ docker ps					
CONTAINER ID 5df5b8f650af	IMAGE ubs172/ohs	COMMAND "/bin/bash"	CREATED 20 hours ago	STATUS Up 20 hours	PORTS 0.0.0.0:7776->7777/tcp	NAMES Installer OHS THP
8eb0d2f6420	ubs172/ohs	"/bin/bash"	20 hours ago 20 hours ago	Up 20 hours	0.0.0.0:7777->7777/tcp	Installer OHS UBS
36c8719824c	w1s12212	"/bin/bash"	20 hours ago	Up 20 hours	0.0.0.0:8001->8001/tcp, 0.0.0.0:8003->8003/t	
7824a3274ea		"/bin/bash"	20 hours ago			cp Installer_WLS_UBS
	0agk ~]\$ docker exe quires at least 2 a	c -itu Installer_OHS	UBS			
-aocker exec" re See 'docker exec		irgument(S).				
Jsage: docker e	xec [OPTIONS] CONTA	AINER COMMAND [ARG]				
un a command in	a running containe					
		c -itu Installer OHS	UBS /bin/bash			
	quires at least 2 a	argument(s).				
See 'docker exec	:help'.					
Jsage: docker e	xec [OPTIONS] CONTA	INER COMMAND [ARG]				
	a running containe					
		c -itu devops Install /Middleware/Oracle Wi				
devops@obdxohs		/midulewale/oracie_w	17 1113 Jances/ 1113 Jance	1/01		
opmnetl						
	bin]\$./opmnctl sta					
	opmn is not running bin)\$./opmnctl sta					
fac.obsecondxous	bing ./opmneel sta	it barri				
_		📝 🕘 🔬			, 🐴 🚅	へ 🖙 🖓 🗇 炅 2:36 PM

Note : please ignore docker commands.

Refer <u>https://docs.oracle.com/cd/E14571_01/doc.1111/e14007/opmnctl.htm#ASPMN129</u> for the all option available in opmnctl command.

Home