# **Oracle Banking APIs**

OHS User Interface Configuration Guide

Release 18.3.0.0.0

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OHS User Interface Configuration Guide December 2018

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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 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 APIs Release 18.3.0.0.0, refer to the following documents:

- Oracle Banking APIs Licensing Guide
- Oracle Banking APIs Security Guide

# 2. Pre-requisite

OHS software along with instance should be available for use.

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# 3. UI deployment

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

Copy the obapis.conf from OBAPIS\_Installer/installables/ui/config directory into the instance config directory (where httpd.conf is present). httpd.conf file is present at {DOMAIN\_HOME}/config/fmwconfig/components/OHS/{componentName}

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

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Copy all files / directories from OBAPIS\_Installer/installables/ui/deploy into newly created directory.

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### 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 needed to be done in the obapis.conf file and place this file in same folder where httpd.conf file exists.

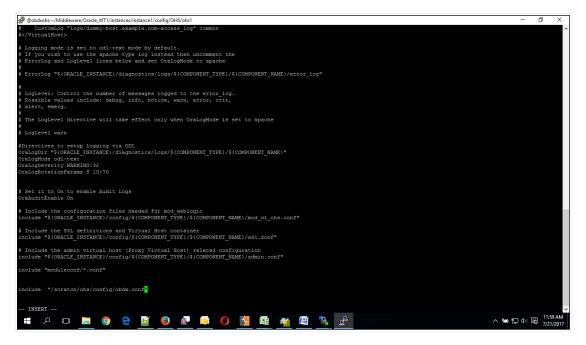
- Replace the <CHANNEL\_PATH> (all occurrences) with the newly created directory (from previous UI deployment step).
- 2. Configuration for Content Security Policy, refer to the below document

Oracle Banking APIs Security Guide

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

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

Read obapis.conf for inline documentation.



# Following are the changes need to be done in mod\_wl\_ohs.conf which is present at {DOMAIN\_HOME}/config/fmwconfig/components/OHS/{componentName}

Copy below configuration into mod\_wl\_ohs.conf

IfModule weblogic\_module>

WebLogicHost HOSTNAME

WebLogicPort MANAGE\_SERVER\_PORT

Debug ON

WLLogFile DIR/FILENAEME

MatchExpression /digx/\*

MatchExpression /digx-auth/\*

MatchExpression /digx-social/\* </IfModule>

Configure below properties

- a. HOSTNAME Weblogic server hostname (where OBAPIs weblogic domain is configured)
- b. MANAGE\_SERVER\_PORT Weblogic manage server port (where OBAPIs 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/\*

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[devops@obdxohs ohs1]\$ vi mod_wl_ohs.conf		
[devops@obdxohs ohs]]\$ cat mod_y1_ohs.conf # NOTE : This is a template to configure mod weblogic.		
* WOLE : INTE 19 a Cemplate to configure mod_weblogic.		
LoadModule weblogic module "\${ORACLE HOME}/ohs/modules/mod w1 ohs.so"		
# This empty block is needed to save mod wl related configuration from EM to this file when changes are made at the Base Virtual Host Level		
<ifmodule module="" weblogic=""></ifmodule>		
WebLogicHost mum00aqk		
WebLogicPort 7003		
Debug ON		
WLLogfile /tmp/weblogic.log MatchExpression /digx/*		
Attackpression / digx/*		
() Indule)		
# <location weblogic=""></location>		
# SetHandler weblogic-handler		
# PathTrim /weblogic		
# ErrorPage http:/WEBLOGIC_HOME:WEBLOGIC_PORT/		
#		
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# 4.1 Authentication Configuration:

OBAPIs 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

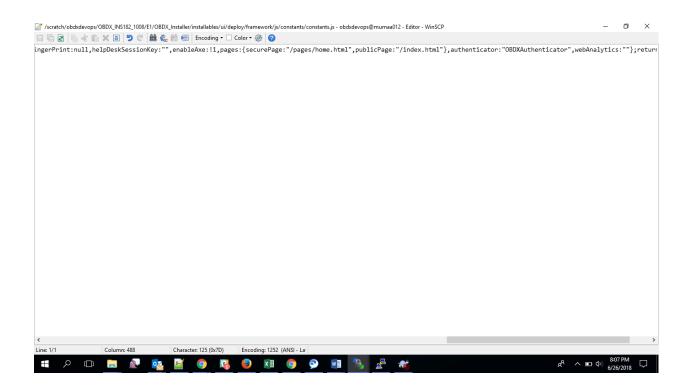
Replace it to your OAM server URL in the following files:

- 1. <CHANNEL\_PATH>/components/login/login-form-web.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 "OBAPIsAuthenticator".



In {DOMAIN\_HOME}/config/fmwconfig/components/OHS/
{componentName}/httpd.conf 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 with your Google map SDK URL in the following files:

- <CHANNEL\_PATH>/components/inputs/map.js
- <CHANNEL\_PATH>/components/location-maintenance/location-add.js
- <CHANNEL\_PATH>/components/location-maintenance/location-update.js
- <CHANNEL\_PATH>/components/atm-branch-locator/locator.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.js

• <CHANNEL\_PATH>/components/social-media/linkedin.js

#### Wallet Configurations:

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

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

- <CHANNEL\_PATH>/components/wallet-external/addfund.js
- <CHANNEL\_PATH>/components/wallet/add\_paymentMode.js

Since OBAPIs 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.

### 5. Oracle HTTP Server Commands

### 5.1 Starting Oracle HTTP Server Instances from the Command Line

You can start up Oracle HTTP Server instances from the command line via a script.

- 1. Ensure that Node Manager is running.
- 2. Enter the following command:

Linux or UNIX: \$DOMAIN\_HOME/bin/startComponent.sh componentName

Windows: %DOMAIN\_HOME%\bin\startComponent.cmd componentName

For example:

\$DOMAIN HOME/bin/startComponent.sh ohs1

The startComponent script contacts the Node Manager and runs the nmStart() command.

When prompted, enter your Node Manager password. The system responds with these messages:

```
Successfully started server componentName...
```

Successfully disconnected from Node Manager...

```
Exiting WebLogic Scripting Tool.
```

## 5.2 Stopping Oracle HTTP Server Instances from the Command Line

You can stop Oracle HTTP Server instances from the command line via a script.

Enter the following command:

```
Linux or UNIX: $DOMAIN HOME/bin/stopComponent.sh componentName
```

```
Windows: %DOMAIN HOME%\bin\stopComponent.cmd componentName
```

For example:

\$DOMAIN HOME/bin/stopComponent.sh ohs1

This command invokes WLST and executes the nmKill() command. The stopComponent command will not function if the Node Manager is not running.

For more commands refer the following URL:

https://docs.oracle.com/middleware/1221/webtier/administer-ohs/getstart.htm

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