# Oracle Banking APIs

**OHS User Interface Configuration Guide**

**Release 19.1.0.0.0**

**Part No. F18559-01**

**May 2019**

**ORACLE**®

OHS User Interface Configuration Guide

May 2019

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/](http://www.oracle.com/financialservices/)

# Table of Contents

# 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

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:

- Prerequisite
- UI Deployment
- Configuration / Installation

## 1.5 Related Information Sources

For more information on Oracle Banking APIs Release 19.1.0.0.0, 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.

For further detailed configuration of Oracle HTTP Server, please refer to https://docs.oracle.com/middleware/12213/webtier/administer-ohs/toc.htm.

**Home**

# 3.    UI deployment

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

Copy the obapi.conf from OBAPI_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/instances/{componentName}**
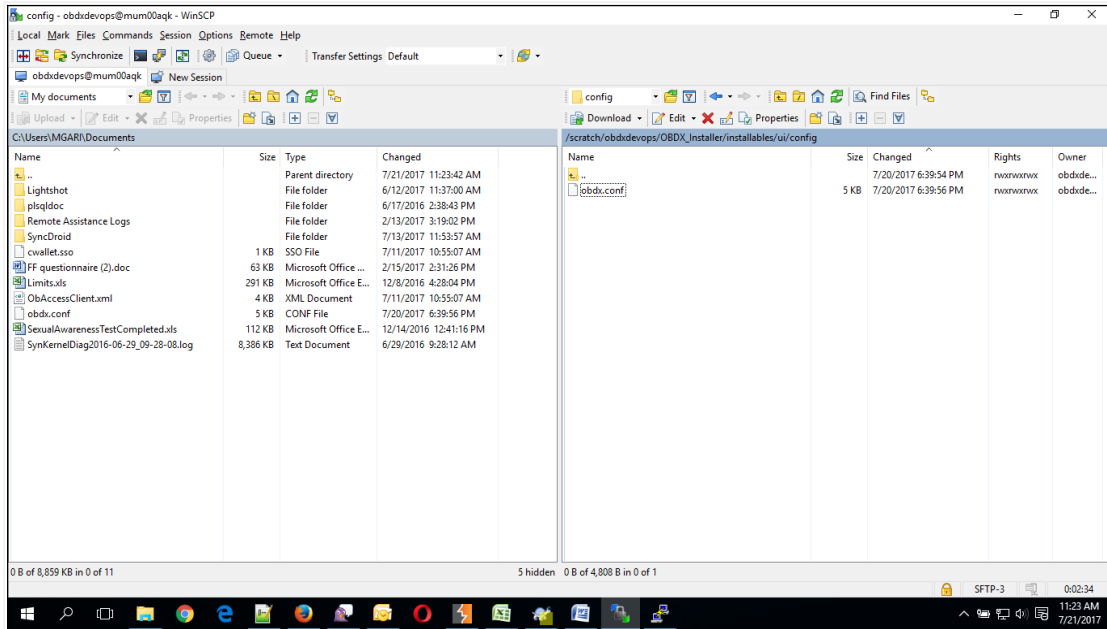


- Create a directory where obapi UI files would be deployed on OHS server.
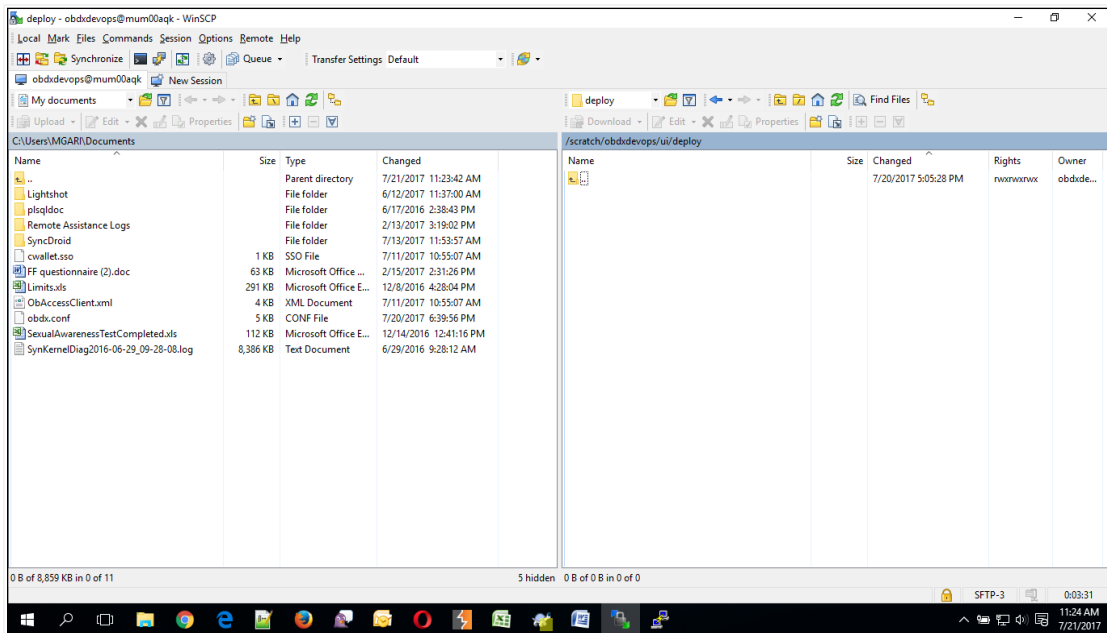
- Copy all files / directories from OBAPI_Installer/installables/ui/deploy into newly created directory.
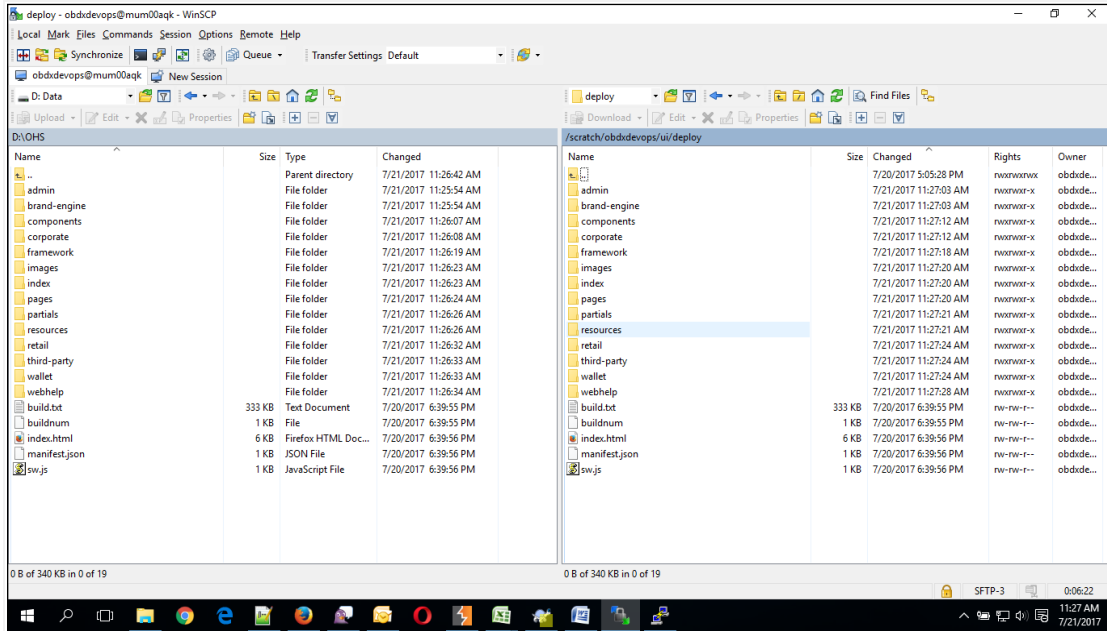


**Home**

# 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
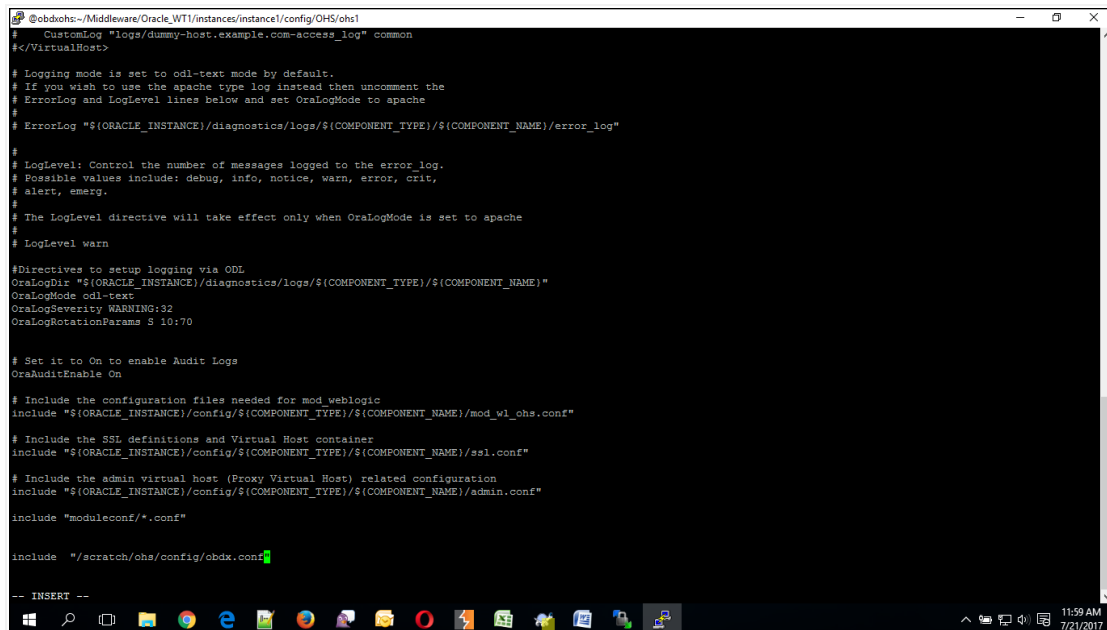
Following are the changes needed to be done in the obapi.conf file and place this file in same folder where httpd.conf file exists.

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 APIs Security Guide

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

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

Read obapi.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/instances/{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 OBAPI weblogic domain is configured)

    b.  MANAGE_SERVER_PORT – Weblogic manage server port (where OBAPI 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/*
</IfModule>
```

## 4.1    Authentication Configuration:

OBAPI 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 "**OBAPIAuthenticator**".
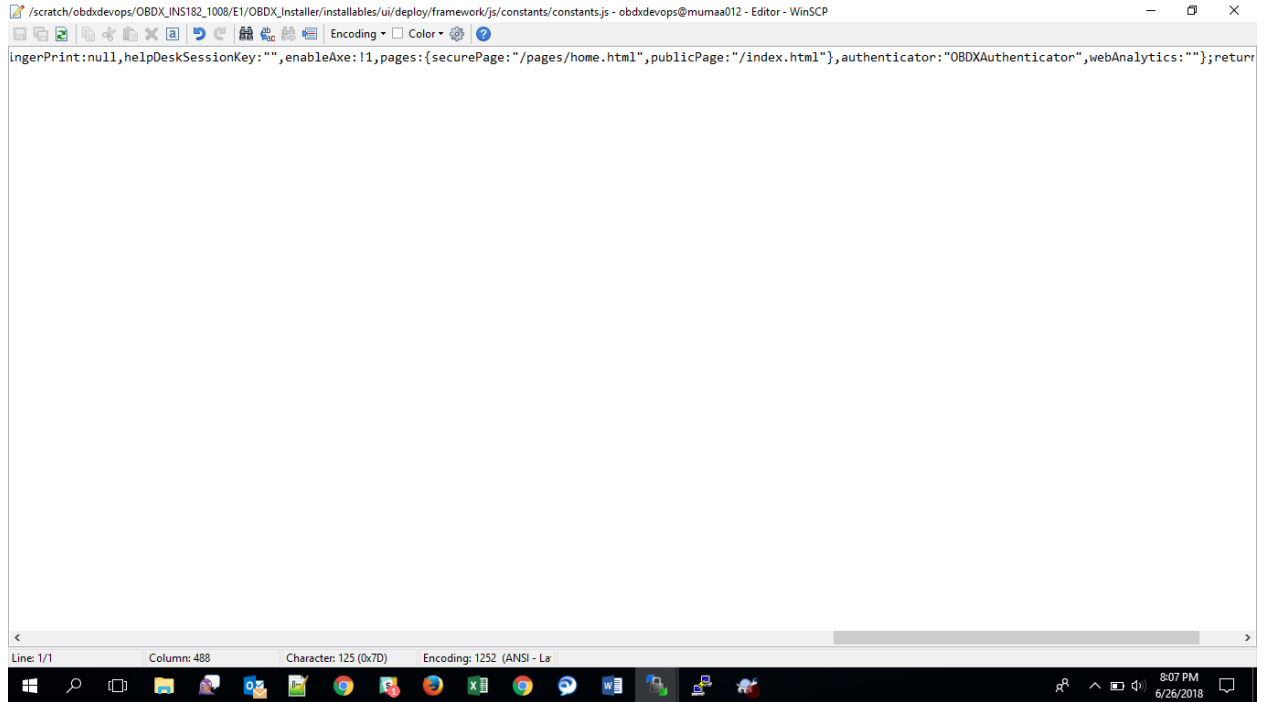
i. In {**DOMAIN_HOME**}**/config/fmwconfig/components/OHS/ instances/{componentName}/httpd.conf** remove webgate.conf entry

## 4.2   Other Configurations

**Google Map Configuration:**

By default Google map SDK URL is set as

https://maps.googleapis.com/maps/api/js?key=AIzaSyCYFGuo6wj7CTEaBILF3qaRcJJWuYI53f8 &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 OBAPI Base server URL is set as http://mum00apu.in.oracle.com:7777/digx/v1/

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

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

Since OBAPI 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.

**Mandate SSL Configurations:**

Configuring SSL as mandatory option, Implementer have to set the value ssl.status in <CHANNEL_PATH>/framework/js/constants/constants.js. If its value set as disabled application can work in both secure and unsecure connection but if its value is enabled application works only in secure connection.

# 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


**Home**