Oracle Banking Extensibility Workbench

Installation Guide

Release 14.8.1.0.0
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Oracle Banking Extensibility Workbench Installation Guide, Release 14.8.1.0.0

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Preface

- Purpose
- Audience
- Documentation Accessibility
- Critical Patches
- Conventions
- Related Resources

Purpose

This guide would help you to install the Oracle Banking Extensibility Workbench – OBX on designated environment. It is assumed that all the prior setup is already done related with Base product/Kernel. In this document it is also assumed that installation will be done on Windows 10 operating system with minimum 8GB Ram and available/free space of 5GB.

Audience

This document is intended for the teams and developers who are responsible for creating extensions like services and web components for products which are developed using Oracle Banking Microservices Architecture.

Documentation Accessibility

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Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at Critical Patches, Security Alerts and Bulletins. All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by Oracle Software Security Assurance.

Conventions

The following text conventions are used in this document:

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Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Related Resources

For more information, refer to the following documents:

- Oracle Banking Extensibility Workbench User Manual
- Oracle Banking Extensibility Workbench Release Notes

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OBX Setup

This topic provides the systematic instructions to perform the basic operations on the OBX Setup.

This topic consists of the following sub-topics:

- Prerequisites
  Before proceeding with installation setup, make sure that the database installation is completed and required schemas are created.
- Steps to Install OBX
  This topic provides the systematic information to install Oracle Banking Extensibility Workbench application using installer.
- Setting Up OBX For First Time Use
  This topic describes the information for Oracle Banking Extensibility Workbench installation using Installer.

1.1 Prerequisites

Before proceeding with installation setup, make sure that the database installation is completed and required schemas are created.

Following are the Prerequisites:

- **Machine and Operating System:**
  - Windows 10 64-bit: Pro, Enterprise, or Education (Build 15063 or later)
  - 8/16GB RAM
  - 100GB of free space
- **List of Software:**
  - Machine should have Java 17 upgrade.
  - Cmder | Console Emulator (Latest Version) (Recommended for Running sh files on windows).
  - Visual Studio Code or Any preferred IDE.
  - Postman for Windows.
  - Chrome Browser/ Firefox.
  - SQL developer.

1.2 Steps to Install OBX

This topic provides the systematic information to install Oracle Banking Extensibility Workbench application using installer.

This guide outlines the steps to install and configure the OBX development environment on your Windows machine.

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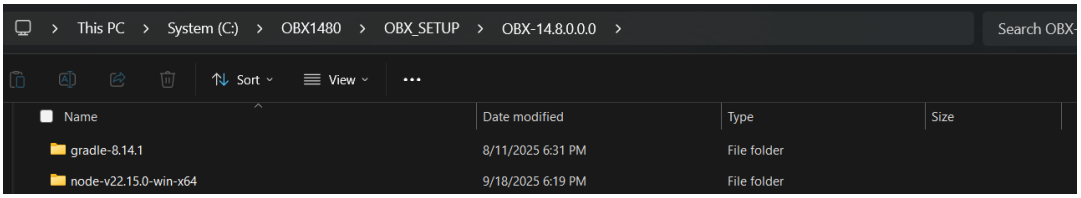
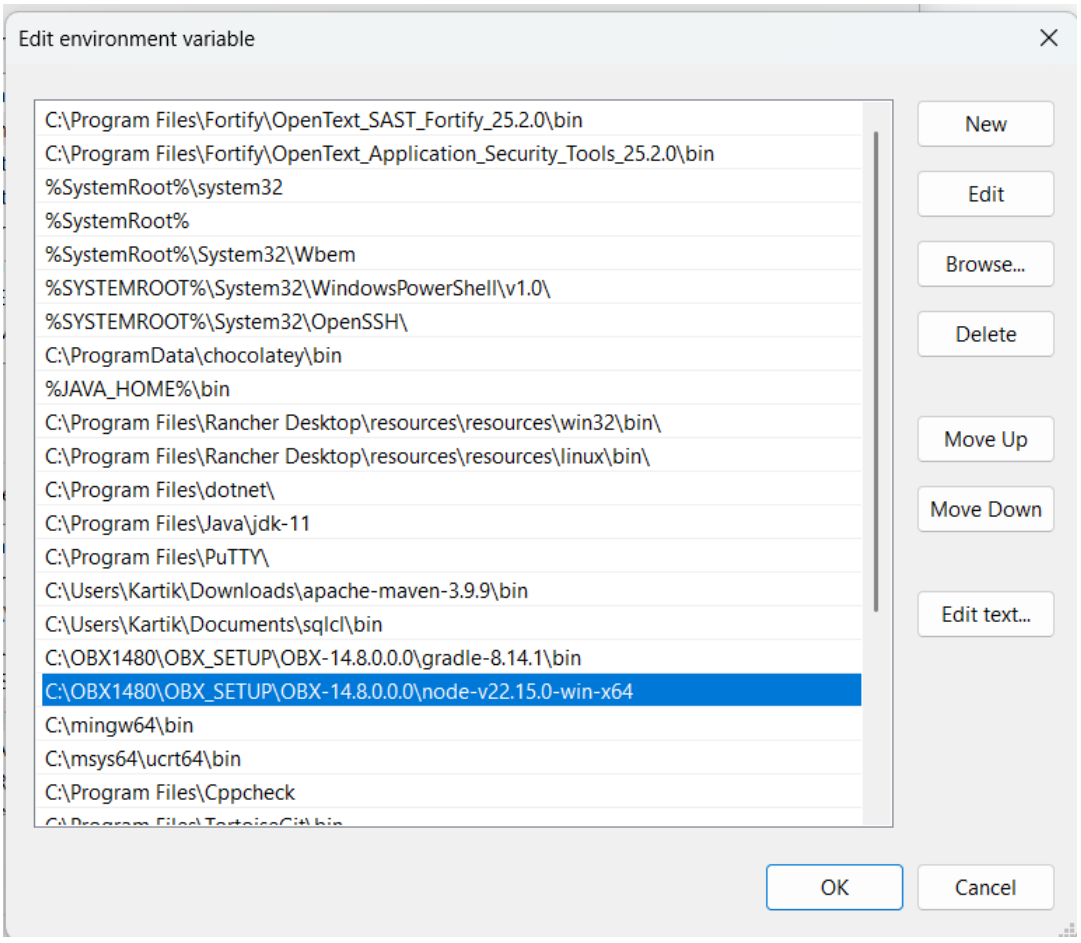
1. Remove any previously installed **NodeJS** or **Gradle** on the machine and restart the machine.
2. Create a folder named **OBX** in your C drive.
3. Create one more folder inside **OBX** with the name **OBX_Workbench**. Extract **OBX-14.8.1.0.0.zip** folder on your local directory in **C:\OBX\1480\OBX SETUP** folder.

Figure 1-1 OBX Workbench folder



4. Set the Environment Variable for Gradle, Node by modifying the Path of System Variables.
5. Point the path to extracted folder of OBX.

Figure 1-2 OBX Extracted folder



6. Run the following command to delete any existing configuration settings of npm: `npm config delete prefix`.

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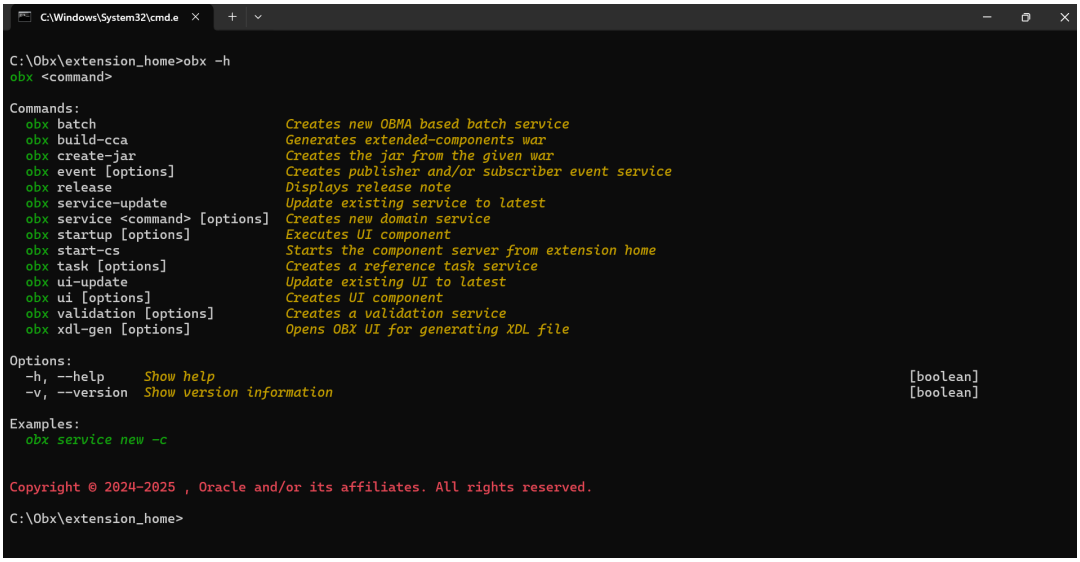
7. Copy the node module path which was set above as an environment variable value. Run the following command to set a custom directory path where globally installed npm packages:
   `npm config set prefix "your node module path"`

   Example: `npm config set prefix "C:\Obx\OBX-14.8.1.0.0-Copy2onlyNode\OBX-14.8.1.0.0\node-v20.13.1-win-x64".`
8. Save all the settings and open cmder or command prompt.
9. Create a directory **extension_home** in **OBX** folder like **C:\OBX1480\extension_home**.
10. Through cmder or command prompt, navigate to **extension_home** folder.
11. Verify the Installation by using the command **obx -h**.

Figure 1-3 OBX - h



1.3 Setting Up OBX For First Time Use

This topic describes the information for Oracle Banking Extensibility Workbench installation using Installer.

It is assumed that before setting up OBX for generating the first artifact, all the installation process is completed till extension_home folder creation and you are able to see the help menu like below:

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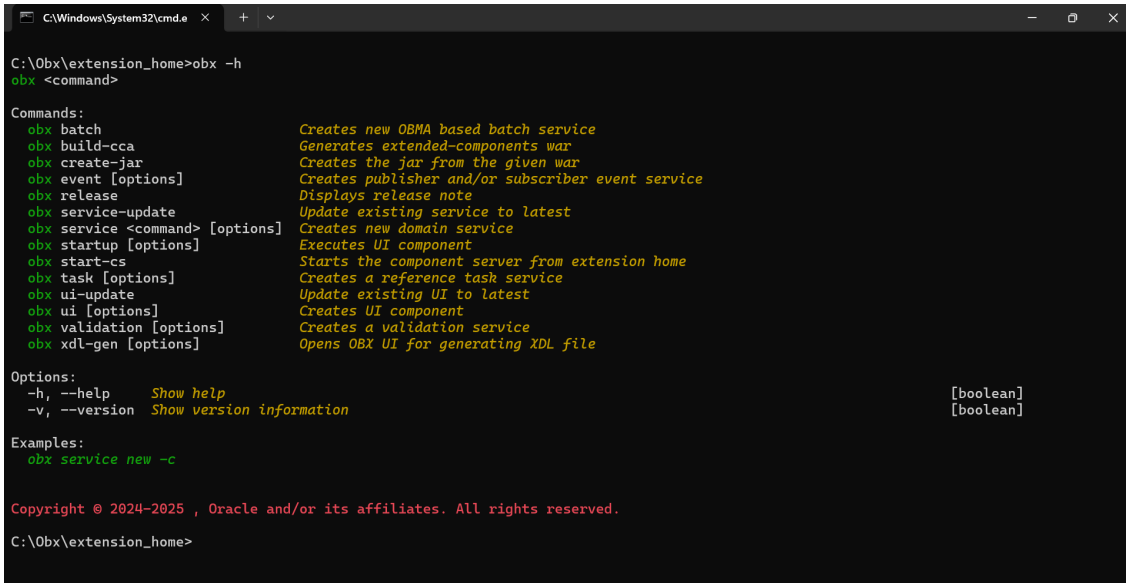
Figure 1-4 Help Menu



Once that is done, we will proceed to next step which is setting up libraries and components from base product. Follow the below process to setup libraries and components:

1. Create a folder **lib** inside **extension_home** directory.
2. Using 7zip or other similar tool, open any service war like **cmc-datasegment-services.10.1.0.war**, navigate inside WEB-INF\lib folder and copy all the jars and put it inside the lib folder of extension_home.
3. Create a folder **runtime** inside **extension_home** directory.
4. From the **gradle** folder which comes inside the **obx.zip**, navigate inside the **lib** folder and copy **extra_jars** which are compile time dependencies for services, and paste it inside **runtime** folder.
5. To run the artifacts locally you need to have a set up for component-server. Create the **component - server** folder inside **extension_home** directory.
6. Download the required version of app-shell war and extract it.
7. Copy the **common** and **js** folders from extracted app-shell to **extension_home** folder. Navigate inside the **js** folder and copy the **components** folders and place it in the **component-server** folder.
   After all the above process **extension_home** folder looks like below.

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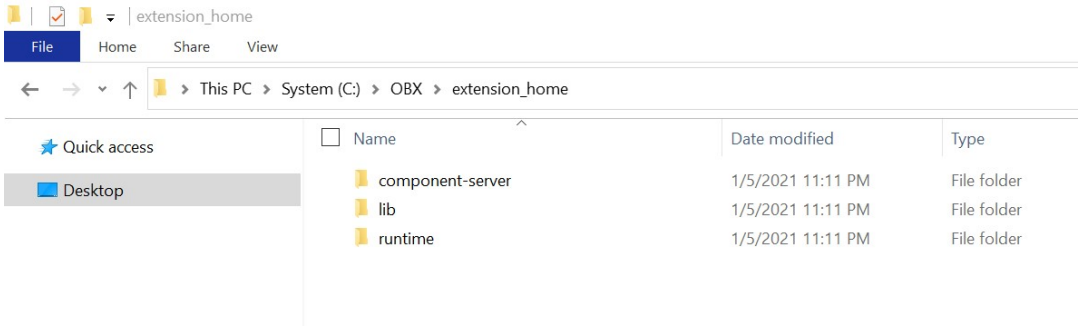
Figure 1-5 Extension Home Folder



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