Oracle Banking Extensibility Workbench
Installation Guide
Release 14.7.0.0.0
June 2023

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FINANCIAL SERVICES

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1. Preface

1.1 Introduction

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.

1.2 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.

1.3 Document 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.

1.4 Related Documents

For more information, refer to the following documents:

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

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2. OBX Setup

2.1 Prerequisites

Machine and Operating System

- Windows 10 64-bit: Pro, Enterprise, or Education (Build 15063 or later)
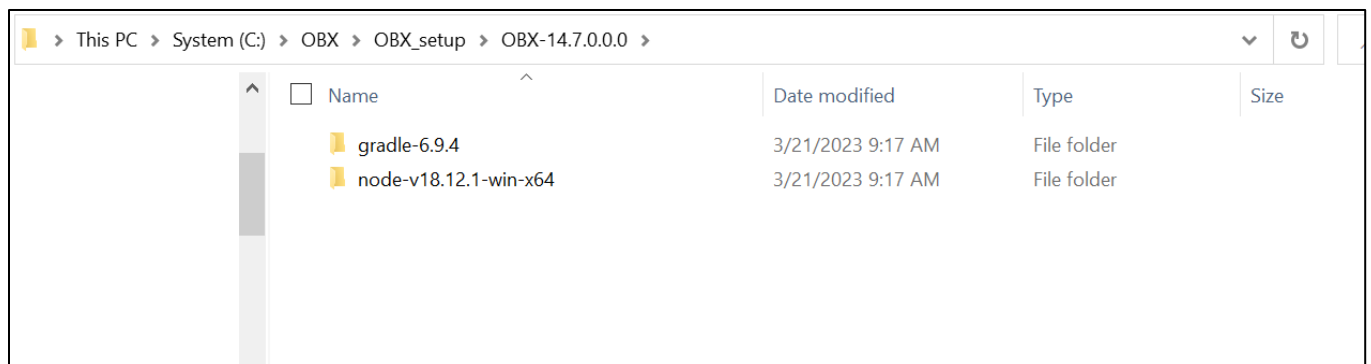- 8/16GB RAM
- 100GB of free space

List of Software

- Machine should have Java JDK 8 installed
- Cmder | Console Emulator (Latest Version v1.3.21) (Recommended for Running sh files on windows)
- Visual Studio Code or Any preferred IDE
- Postman for Windows
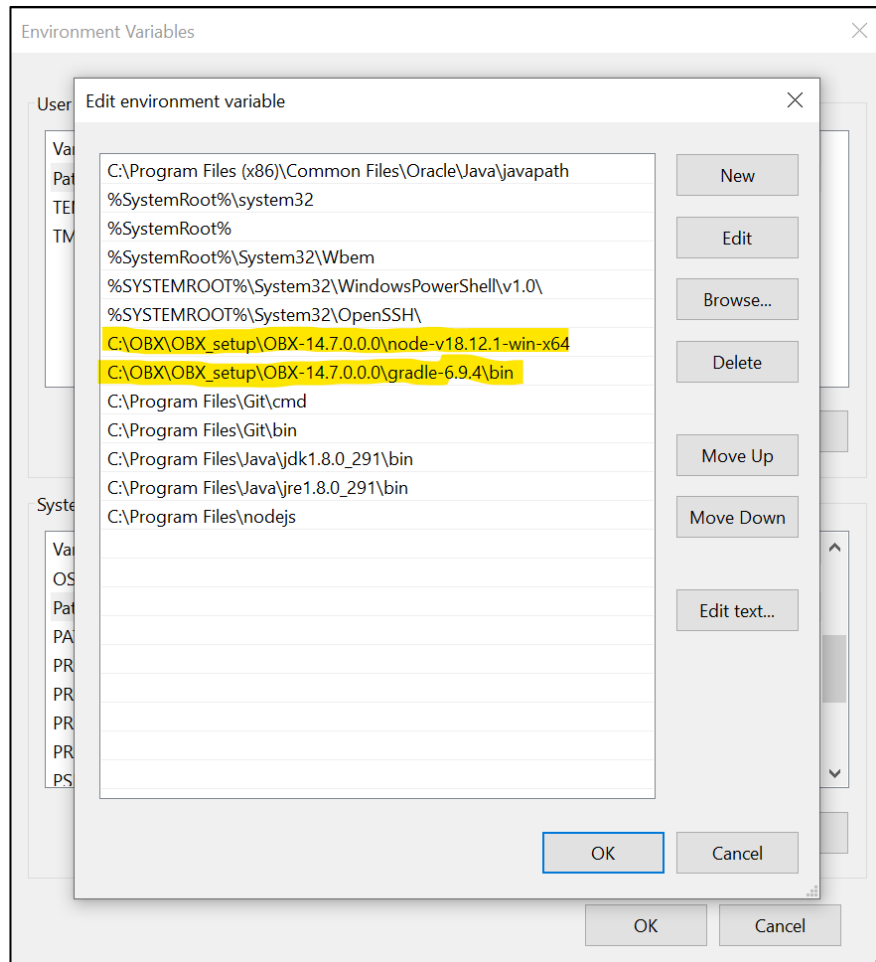- Chrome Browser/ Firefox
- SQL developer

2.2 Steps to Install OBX

Following are the steps needed to follow sequentially for installing OBX on machine:

- Remove any previously installed NodeJS or Gradle on the machine and restart the machine
- Create a folder named OBX in your C drive.
- Create one more folder inside OBX with the name OBX_setup. Extract OBX-14.7.0.0.0.zip folder on your local directory in C:\OBX\OBX_setup folder.

> This PC > System (C:) > OBX > OBX_setup > OBX-14.7.0.0.0 >			
Name	Date modified	Type	Size
gradle-6.9.4	3/21/2023 9:17 AM	File folder	
node-v18.12.1-win-x64	3/21/2023 9:17 AM	File folder	

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

- Create one folder named node_modules at this path –
  C:\Users\<%userName%>\node_modules
- Copy all the folders inside the following path - **C:\OBX\OBX_setup\OBX-14.7.0.0.0\ node-v18.12.1-win-x64 \node_modules\sass** and paste them here -
  C:\Users\<%userName%>\node_modules
- Navigate to C:\OBX\OBX_setup\OBX-14.7.0.0.0\ node-v18.12.1-win-x64 \node_modules and copy all the folders except - .bin, corepack , npm , sass and paste them here –
  C:\Users\<%userName%> \node_modules
- Save all the settings and open cmder or command prompt
- Create a directory **extension_home** in OBX folder like **C:\OBX\extension_home**
- Through cmder or command prompt navigate to **extension_home** folder
- Verify the Installation by using the command **obx -h**

2.3 Setting up OBX for first time use

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

- ➢ Create a folder **lib** inside extension_home directory.

- ➢ Again, using 7zip or other similar tool, open any service war like **cmc-datasegment-services.5.1.0.war,** navigate inside WEB-INF\lib folder and copy all the jars and put it inside the **lib** folder of extension_home

- ➢ Create a folder **runtime** inside extension_home directory.

- ➢ 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.

- ➢ To run the artifacts locally you need to have a set up for component-server. Download the **component-server.zip** from the shared location and extract it to **extension_home** directory.

- ➢ After all the above process extension_home folder looks like below.