

Oracle® Banking Extensibility Workbench Installation Guide



Release 14.9.0.0.0

G58895-01

August 2026

ORACLE®

Copyright © 2024, 2026, Oracle and/or its affiliates.

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.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. 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 fail-safe, 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.

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

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about 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 unless otherwise set forth in an applicable agreement between you and Oracle. 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, except as set forth in an applicable agreement between you and Oracle.

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>.

Oracle customers that have purchased support 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.

Contents

Preface

Purpose	i
Audience	i
Acronyms and Abbreviations	i
Documentation Accessibility	i
Critical Patches	ii
Conventions	ii
Related Resources	ii

1 OBX Setup

1.1 Prerequisites	1
1.2 Steps to Install OBX	1
1.3 Setting Up OBX for First Time Use	3

Preface

- [Purpose](#)
- [Audience](#)
- [Acronyms and Abbreviations](#)
- [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.

Acronyms and Abbreviations

Table 1 Acronyms and Abbreviations

Acronyms	Abbreviations
OBX	Oracle Banking Extensibility Workbench

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>.

Access to Oracle Support

Oracle customers that have purchased support 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.

Critical Patches

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:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text.
<i>italic</i>	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

1

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.
 - Cmdr | 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.

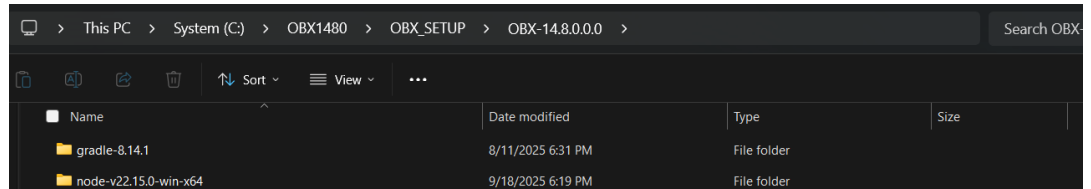
1.2 Steps to Install OBX

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.

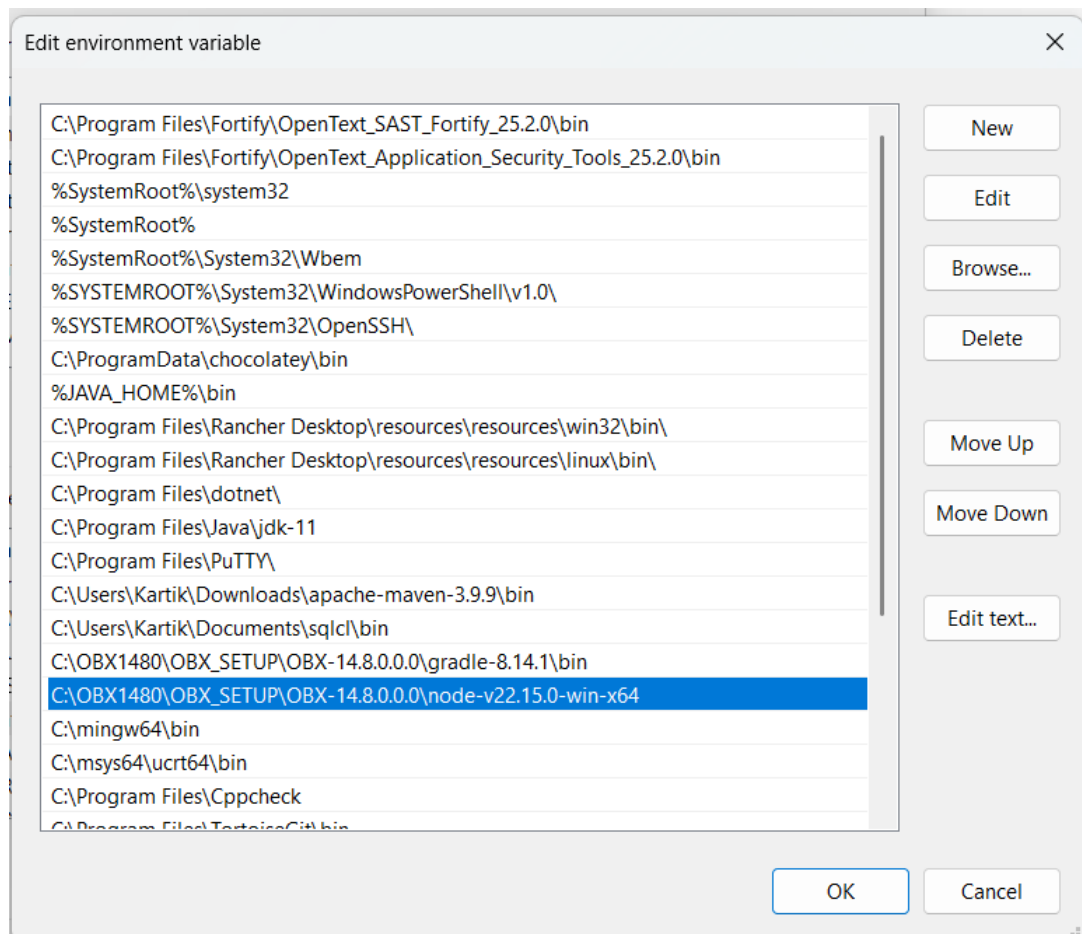
1. Remove any previously installed **NodeJS** or **Gradle** on the machine and restart the machine.
2. Create a folder named **OBX** in your C drive.
3. Create one more folder inside **OBX** with the name **OBX_Workbench**. Extract **OBX-14.8.1.0.0.zip** folder on your local directory in **C:\OBX\1480\OBX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

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 cmd or command prompt.
9. Create a directory **extension_home** in **OBX** folder like **C:\OBX1480\extension_home**.
10. Through cmd or command prompt, navigate to **extension_home** folder.
11. Verify the Installation by using the command **obx -h**.

Figure 1-3 OBX - h

```

C:\Windows\System32\cmd.exe
C:\Obx\extension_home>obx -h
obx <command>

Commands:
obx batch           Creates new OBMA based batch service
obx build-cca       Generates extended-components war
obx create-jar      Creates the jar from the given war
obx event [options] Creates publisher and/or subscriber event service
obx release         Displays release note
obx service-update  Update existing service to latest
obx service <command> [options] Creates new domain service
obx startup [options] Executes UI component
obx start-cs        Starts the component server from extension home
obx task [options]  Creates a reference task service
obx ui-update       Update existing UI to latest
obx ui [options]    Creates UI component
obx validation [options] Creates a validation service
obx xdl-gen [options] Opens OBX UI for generating XDL file

Options:
-h, --help          Show help [boolean]
-v, --version       Show version information [boolean]

Examples:
obx service new -c

Copyright © 2024-2025 , Oracle and/or its affiliates. All rights reserved.
C:\Obx\extension_home>
  
```

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 user are able to see the help menu like below:

Figure 1-4 Help Menu

```

C:\Windows\System32\cmd.exe
C:\Obx\extension_home>obx -h
obx <command>

Commands:
obx batch                Creates new OBMA based batch service
obx build-cca            Generates extended-components war
obx create-jar           Creates the jar from the given war
obx event [options]      Creates publisher and/or subscriber event service
obx release              Displays release note
obx service-update       Update existing service to latest
obx service <command> [options] Creates new domain service
obx startup [options]    Executes UI component
obx start-cs             Starts the component server from extension home
obx task [options]       Creates a reference task service
obx ui-update            Update existing UI to latest
obx ui [options]         Creates UI component
obx validation [options] Creates a validation service
obx xdl-gen [options]    Opens OBX UI for generating XDL file

Options:
-h, --help              Show help                                [boolean]
-v, --version            Show version information                 [boolean]

Examples:
obx service new -c

Copyright © 2024-2025, Oracle and/or its affiliates. All rights reserved.
C:\Obx\extension_home>

```

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 user 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.

Figure 1-5 Extension Home Folder

