National OVC Management Information System (NOMIS) Installation Guide

Version 3.0

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Acknowledgments

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Introduction

The National OVC Management Information System (NOMIS) is a national electronic platform for the management of data for the orphans and vulnerable children (OVC) program in Nigeria adopted by the Federal Ministry of Women Affairs (FMWA).

NOMIS is a Java application and therefore requires Java Runtime Environment (JRE) and PostgreSQL to be installed.

In this installation guide, we have included a step-by-step procedure for installing all the required software for running NOMIS application on your computer system.

| Minimum Hardware Requirements	
Device Type	Desktop, Laptop, Workstation and Server
Processor	Minimum Intel core i3 processor
Memory	4GB Memory
Hard Drives	150GB Storage space
Recommended Software and Dependencies	
OS	Windows 7,8,10, Server 2016 -2019.
JRE	Version 1.8
PostgreSQL	Version 14
Recommended Browsers	Google Chrome, Mozilla Firefox
Modules	NOMIS installation zip file

JAVA RUNTIME ENVIRONMENT INSTALLATION

The Java Runtime Environment (JRE) is a software layer that runs on top of a computer's operating system software and provides the resources that a specific Java program needs to run. Follow the step below to install Java on your system.

1. Using your preferred web browser, navigate to the Oracle Java Downloads page.

2. On the Downloads page, click the x64 Installer download link under the Windows category. At the time of writing this installation guide, Java version 8 is the latest long-term support version of Java.

Solaris SPARC 64-bit Compressed Archive	94.96 MB	⤓ jdk-8u331-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	134.69 MB	⤓ jdk-8u331-solaris-x64.tar.Z
Solaris x64 Compressed Archive	92.86 MB	⤓ jdk-8u331-solaris-x64.tar.gz
Windows x86 Installer	159.0 MB	⤓ jdk-8u331-windows-i586.exe
Windows x64 Installer	172.54 MB	⤓ jdk-8u331-windows-x64.exe

3. Once the Java JDK 8 download is complete, double-click the downloaded file to start the installation, and click Next.
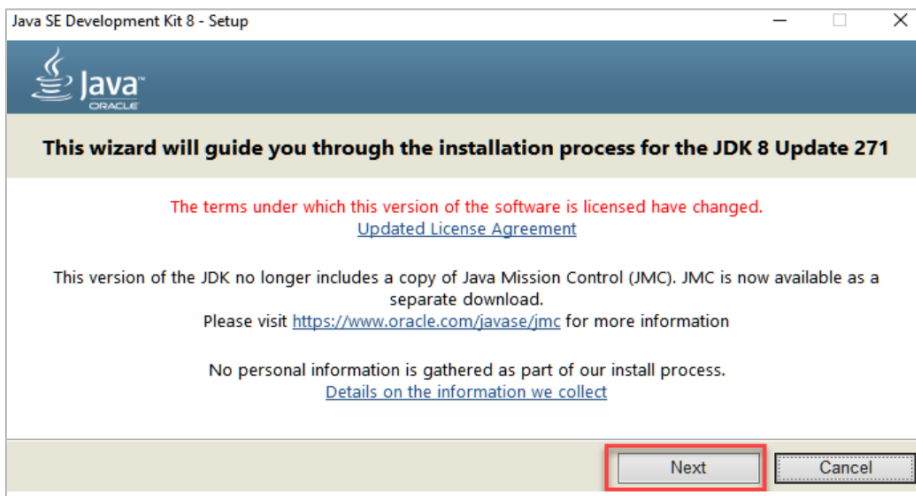
4. Specify the installation folder, you can choose your own folder or keep the **default** folder and click Next.
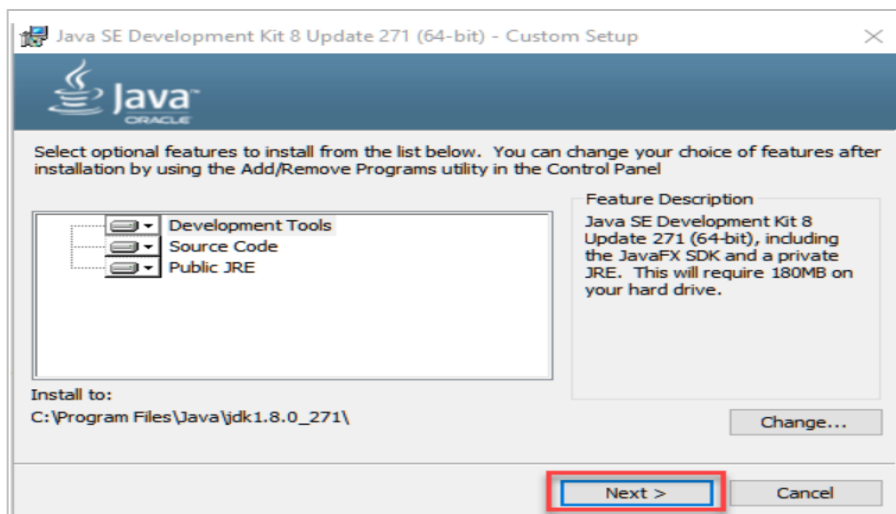
5. Follow the onscreen instructions in succeeding steps to install Java 8. Once you install Java in windows, click Close.

POSTGRESQL INSTALLATION

PostgreSQL is a powerful, open-source object-relational database system with over 30 years of active development that has earned it a strong reputation for reliability, feature robustness, and performance. Follow the steps below to install PostgreSQL on your system.

1. Before installing PostgreSQL, you need to download the installation file from the EDB website.

PostgreSQL Version	Linux x86-64	Linux x86-32	Mac OS X	Windows x86-64	Windows x86-32
14.3	postgresql.org	postgresql.org			Not supported
13.7	postgresql.org	postgresql.org			Not supported
12.11	postgresql.org	postgresql.org			Not supported

2. Double click on the installer file, an installation wizard window will appear. Click Next.

3. Specify installation folder, you can choose your own folder or keep the **default** folder and click Next.
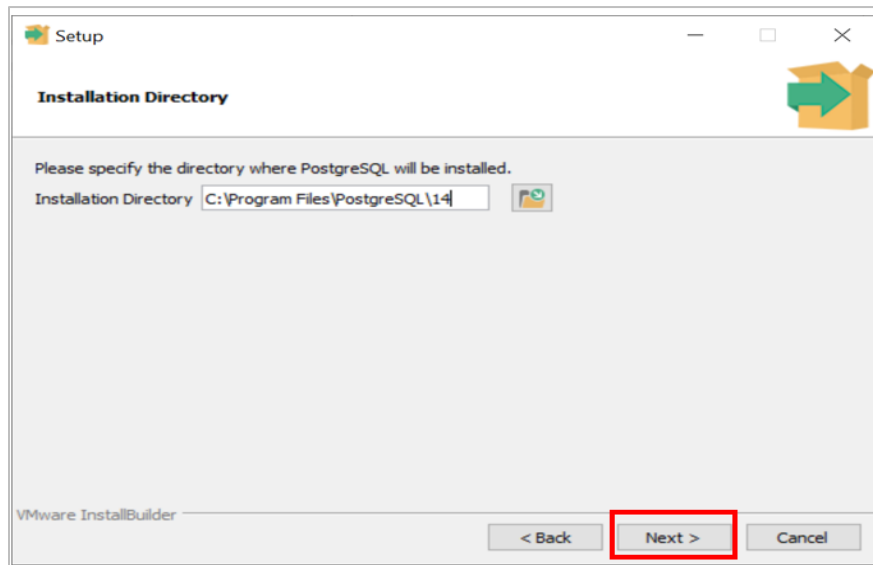

4. Select software components to install:

- The PostgreSQL Server to install the PostgreSQL database server

- pgAdmin 4 to install the PostgreSQL database GUI management tool

- Command Line Tools to install command-line tools such as psql, pg_restore, etc.

- Stack Builder provides a graphic user interface (GUI) that allows you to download and install drivers that work with PostgreSQL.
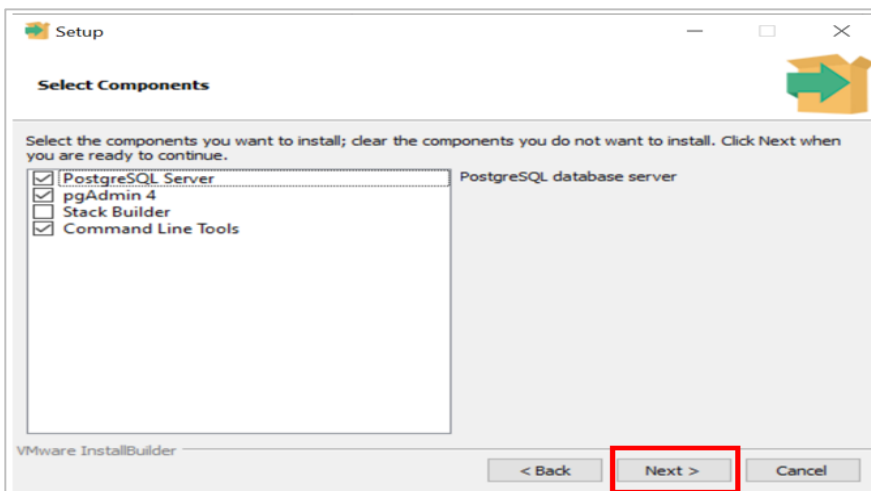
5. Select the database directory to store the data or accept the default folder. And click the Next button.
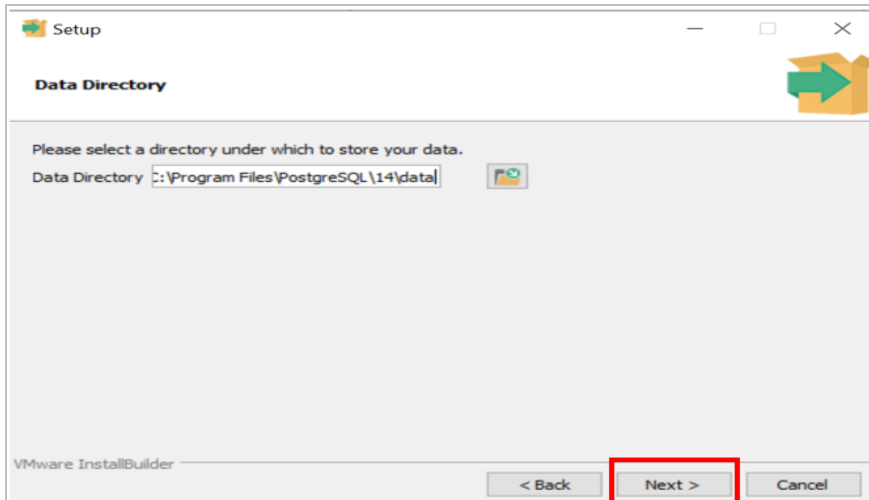
6. Enter the password for the database superuser (postgres). Retype it to confirm and click Next.
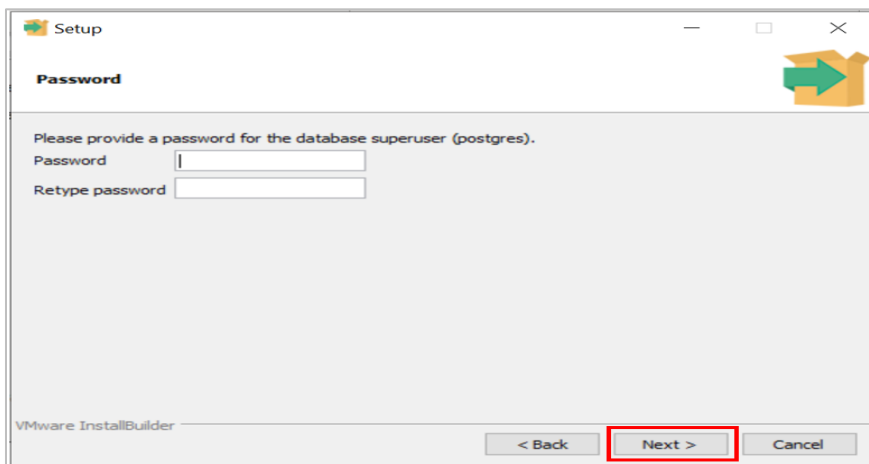
7. Enter a port number on which the PostgreSQL database server will listen. You can keep the default port 5432 and click Next.


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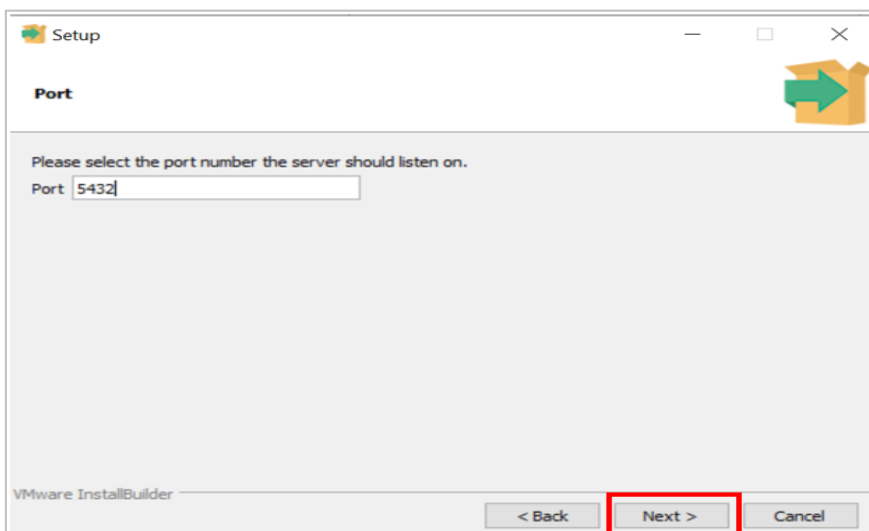
8. Follow the onscreen instructions in succeeding steps to install PostgreSQL. Once you install Java in windows, click Finish.
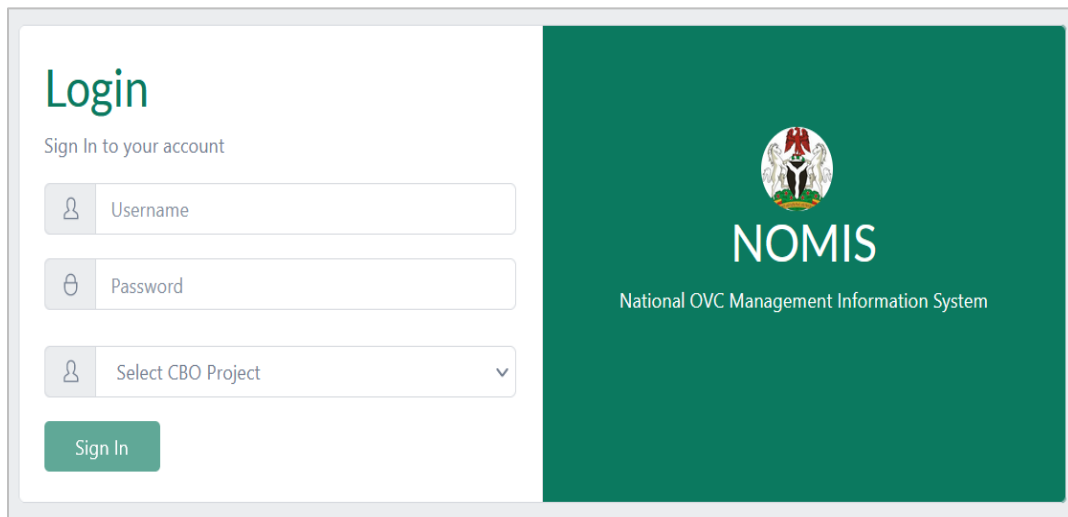
NOMIS INSTALLATION

1. Extract NOMIS installation zip file into a directory on your system. Open the extracted folder, you should see the following files in the folder: application.yml, Launcher.bat, nomis-ng.jar
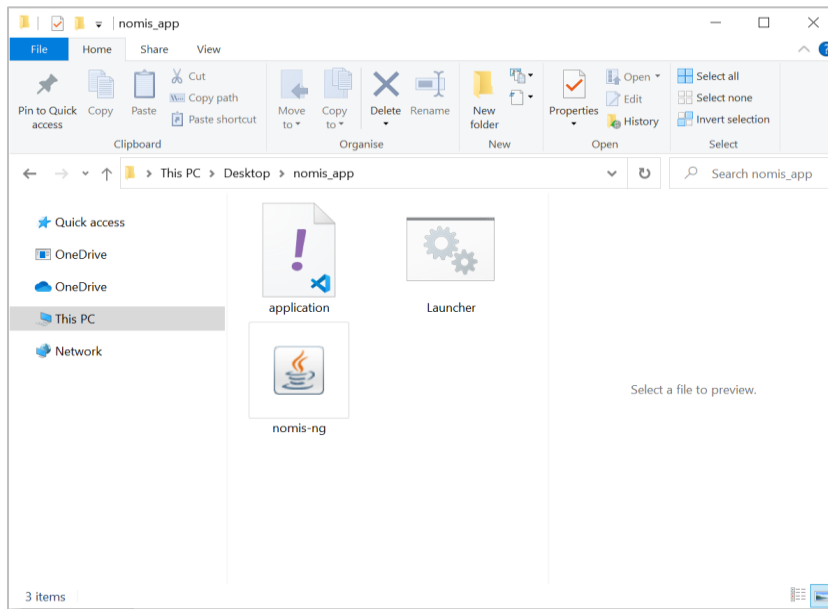
2. Right click on application.yml and select open with Notepad to change the Postgresql credentials.

3. Change the password only the password to the password you created during PostgreSQL installation. Press Ctrl+ S on your keyboard to save the changes, then close the file.
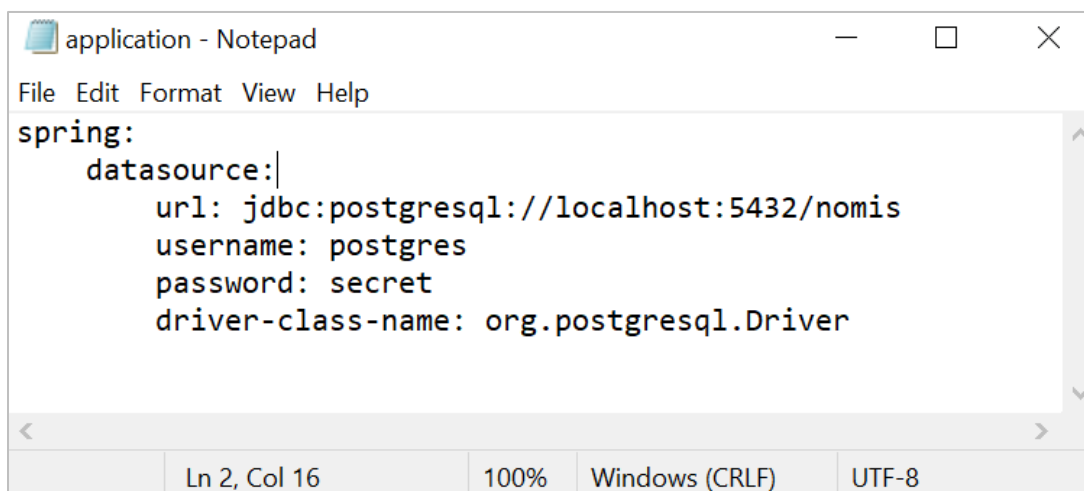
4. In the NOMIS application folder, double click on Launcher to start the application. Wait for the application to start.

5. Open your browser and type http://localhost:8080 to access NOMIS application.

6. On the login page, enter your login credentials and select a CBO Project. The default login credential is:

   Username: guest@nomisng.org

   Password: 12345

7. If the login is successful, you will be redirected to the Dashboard.

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