



Red Hat build of OpenJDK 11

Configuring Red Hat build of OpenJDK 11 for Windows

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Abstract

Red Hat build of OpenJDK is a Red Hat offering on the Microsoft Windows platform. The [Configuring Red Hat build of OpenJDK 11 for Windows](#) guide provides an overview of this product and explains how to configure the software.

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Procedure

1. Click the following link to [create a ticket](#).
2. Enter a brief description of the issue in the **Summary**.
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Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see [our CTO Chris Wright's message](#).

CHAPTER 1. SELECTING A SPECIFIC RED HAT BUILD OF OPENJDK FROM THE INSTALLED VERSIONS FOR AN APPLICATION

You can select a specific Red Hat build of OpenJDK from the installed versions on Microsoft Windows for an application.

Prerequisites

- More than one Red Hat build of OpenJDK is already installed on the system.

Procedure

1. Log in as a Windows system administrator.
2. On the command line, set the prompt to **C:/**.
3. Enter **dir /b /s java.exe** to list all of the installed OpenJDKs on the system.
4. Set the value of the environment variable to your Red Hat build of OpenJDK (or JRE) installation path:

```
setx -m JAVA_HOME "Path to Java"
```

If the path contains spaces, use the shortened path name.

5. Restart Command Prompt to reload the environment variables.
6. Retrieve the value of the path variable:

```
echo %JAVA_HOME%
```

7. Set the value of path variable:

```
setx -m PATH "%PATH%;%JAVA_HOME%\bin";
```

CHAPTER 2. SETTING MISSION CONTROL FOR RED HAT BUILD OF OPENJDK 11 FOR MICROSOFT WINDOWS

This procedure describe how to install and set Mission Control for Red Hat build of OpenJDK 11 for Microsoft Windows.

Prerequisites

- Red Hat build of OpenJDK 11 for Microsoft Windows is installed on the system.

Procedure

1. Extract the archive.
2. In the **Mission Control** directory, open the JMC client executable file.

```
C:\java-11-openjdk-11.0.3.7-1.windows.redhat.x86_64>cd missioncontrol
C:\java-11-openjdk-11.0.3.7-1.windows.redhat.x86_64\missioncontrol>dir
Volume in drive C is Windows
Volume Serial Number is 3C29-16DB

Directory of C:\java-11-openjdk-11.0.3.7-1.windows.redhat.x86_64\missioncontrol

05/29/2019  07:38 PM    <DIR>          .
05/29/2019  07:38 PM    <DIR>          ..
04/14/2019  05:14 PM             61,813 artifacts.xml
05/29/2019  07:37 PM    <DIR>          configuration
05/29/2019  07:37 PM    <DIR>          dropins
04/14/2019  05:14 PM          129,520 eclipsec.exe
05/29/2019  07:37 PM    <DIR>          features
05/29/2019  07:37 PM    <DIR>          install
04/14/2019  05:14 PM          424,424 jmc.exe
04/14/2019  05:14 PM           1,015 jmc.ini
05/29/2019  07:37 PM    <DIR>          legal
05/29/2019  07:37 PM    <DIR>          p2
05/29/2019  07:38 PM    <DIR>          plugins
05/29/2019  07:38 PM    <DIR>          readme
                4 File(s)          616,772 bytes
                10 Dir(s) 124,454,580,224 bytes free

C:\java-11-openjdk-11.0.3.7-1.windows.redhat.x86_64\missioncontrol>jmc
```

3. On the command line, start the JMC client by entering **jmc** or the the full path to the JMC executable.

```
JAVA_HOME\missioncontrol\jmc.exe
```

4. On the JMC Client screen, create a new connection from the File menu, choose your JVM, and start JMX console.

As the result you should be getting an overview page with Processors, Memory consumption, Java heap use, JVM CPU usage, etc.

CHAPTER 3. CONFIGURING RED HAT BUILD OF OPENJDK TO RUN WITH CUSTOMIZED HEAP SIZE

Red Hat build of OpenJDK 11 for Microsoft Windows can be configured to use a customized heap size.

Prerequisites

- Installed Java Runtime

Procedure

1. Run the application by adding maximum heap size option to your java command line. For example to set the maximum heap size to 100 megabytes use the **-Xmx100m** option.

```
$ java -Xmx100m <your-main-class>
```

Additional resources

- For reference see <https://docs.oracle.com/javase/8/docs/technotes/tools/windows/java.html#BABDJJFI>

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