

## Setup:Installation Guide/System Preparation/Windows /OpenJDK

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Java is a prerequisite for the operation of Advanced Search, PDF export, VisualDiff (BlueSpice pro only) and the LaTeX renderer (BlueSpice pro only). The steps listed here are optional and only required if you plan to use one or more of these services in your BlueSpice installation.

## Introduction

For licensing reasons, we decided to use the alternative OpenJDK published under the [GPL](#) instead of the Java Runtime Environment. Of course, you are free to use the JRE of <https://java.com/>, but here we only document OpenJDK.

## Download

Open the [official download page](#) (1) in your browser and select the version marked "Ready for use" (2).



Select the ZIP archive in the 64bit version for Microsoft Windows

← → ↻ ⚠ Nicht sicher | jdk.java.net/java-se-ri/17

**jdk.java.net**  
GA Releases  
JDK 17  
JDK 16  
JMC 8  
Early-Access  
Releases  
JDK 15  
Loom  
Metropolis  
Painoma  
Valhalla  
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## Java Platform, Standard Edition 17 Reference Implementations

The official Reference Implementation for Java SE 17 (JSR 392) is based solely upon open-source code available from the JDK 17 Project in the OpenJDK Community.

The binaries are available under the GNU General Public License version 2, with the Classpath Exception.

***These binaries are for reference use only!***

These binaries are provided for use by implementers of the Java SE 17 Platform Specification and are for reference purposes only. This Reference Implementation has been approved through the Java Community Process. Production-ready binaries under the GPL are available from Oracle; and will be in most popular Linux distributions.

**RI Binary (build 17+35) under the GNU General Public License version 2**

- Oracle Linux 8 3 x64 Java Development Kit (sha256) 179 MB
- **Windows 10 x64 Java Development Kit (sha256) 178 MB**

**RI Source Code**

The source code of the RI binaries is available under the GPLv2 in a single zip file (sha256) 165 MB.

**International use restrictions**

Due to limited intellectual property protection and enforcement in certain countries, the JDK source code may only be distributed to an authorized list of countries. You will not be able to access the source code if you are downloading from a country that is not on this list. We are continuously reviewing this list for addition of other countries.

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Follow the further download instructions and download the ZIP archive to your hard disk.



Please note that the download on your Windows Server with Internet Explorer will only work if you have configured the Internet Explorer Advanced Security Settings in the Server Manager. Please refer to the technical documentation from Microsoft.



In this guide, version 11.0.2 of OpenJDK is used and serves only as an example for the latest version, which you can download at the time of your installation.

## Unpacking the ZIP archive

Unzip the ZIP archive that you just downloaded into a suitable system path on your hard drive.

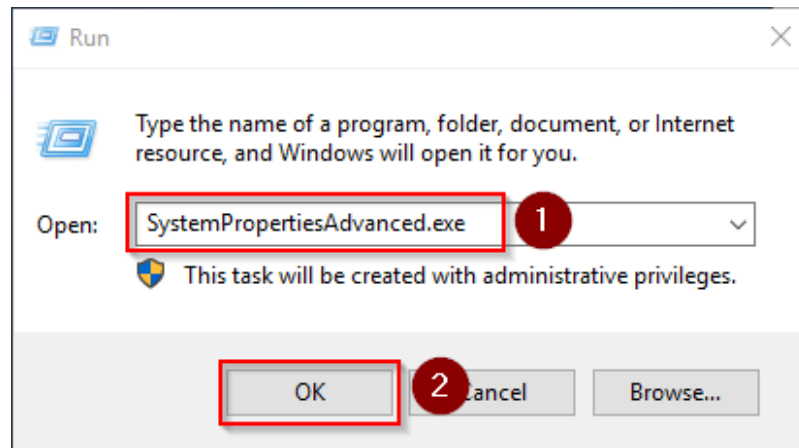
{ {Template:Hint|text=This documentation is based on the [[Setup: Installation Guide/Advanced /Windows\_Folder\_Sructure | folder structure recommended by us ]]. For this reason, OpenJDK is unpacked into the folder C:\bluespice\bin\jdk-11.0.2. If you have different folder requirements, you must adapt these paths accordingly.} }

## Setting the environment variable

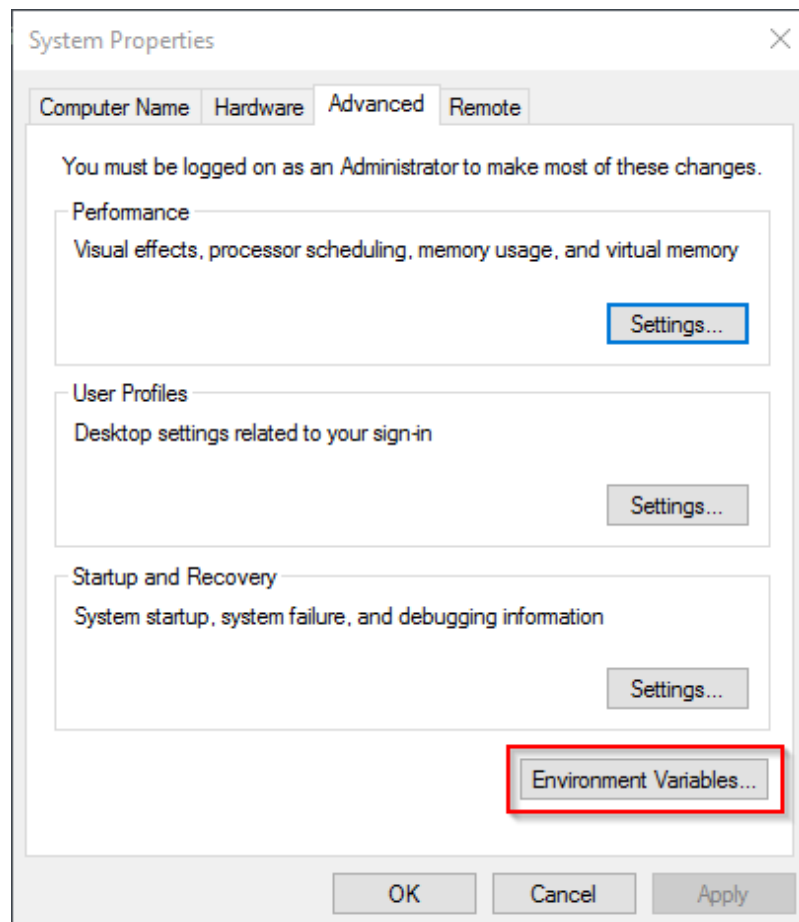
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Press the key combination Windows+R.

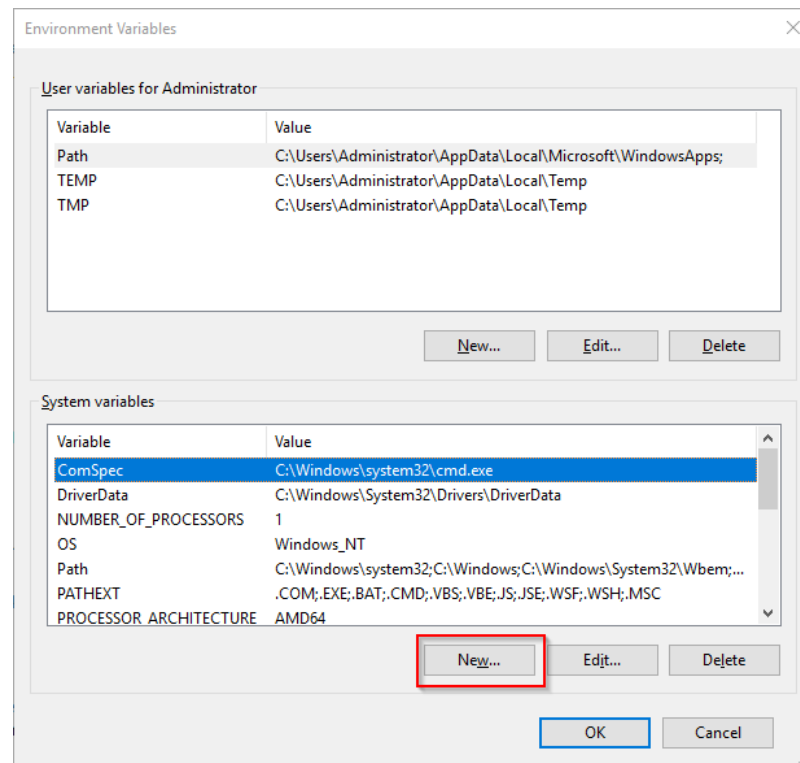
In the following dialog, enter "SystemPropertiesAdvanced.exe" (1) and confirm with OK (2):



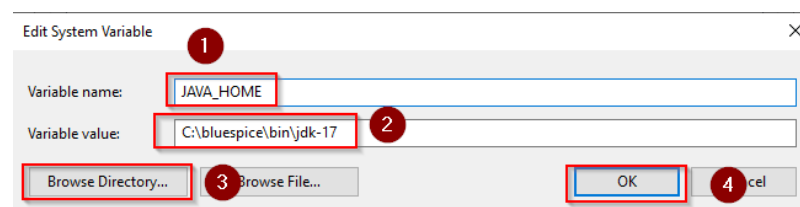
Click "environment variables":



Click "New...":



Set the name of the variable "JAVA\_HOME" (1). As the value of the variable, specify the directory of your OpenJDK installation that you have just copied to C:\ bluespice\bin (2). Here you can use the "browse directory" button (3). Then click "OK" (4):



Close all newly opened windows one after the other by clicking on "OK".

## Next step

If you have completed all steps successfully, you can delete the previously downloaded "openjdk-17+35\_windows-x64\_bin.zip" file from your hard disk and go to the next step "[Apache Tomcat](#)".