

## Transition to OpenJDK JRE

Oracle has announced changes for its distribution of Java SE 8 [https://www.java.com/en/download/release\\_notice.jsp](https://www.java.com/en/download/release_notice.jsp), Based on this update, CUACA is migrating from **Oracle Java JRE to OpenJDK JRE**

OpenJDK JRE is installed and configured by default in CUAC Advanced 11.0.2.20 and 12.0.4 onwards (no action required).

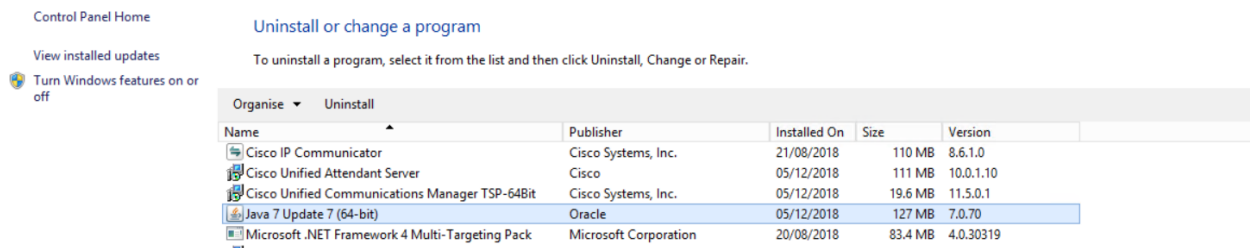
### Document Overview

Document explains clear steps for:

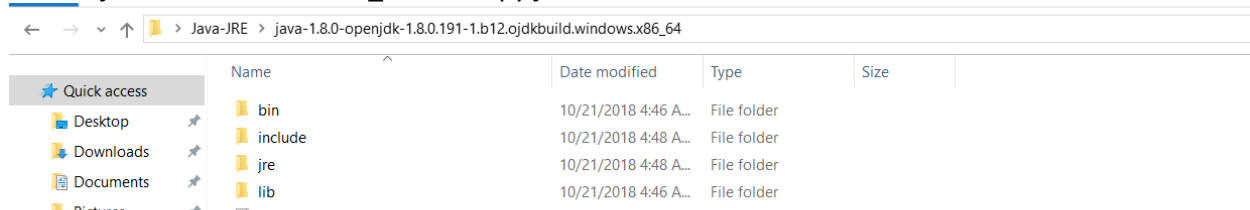
- Replacing Oracle JRE with OpenJDK JRE, for installs of CUAC Advanced 10.5.2 through 11.0.2.10 and 12.0.1 through 12.0.3; that cannot be upgraded to 11.0.2.20 or 12.0.4 (or later).
- Modifying Environmental Variables instruction for instances where Oracle JRE is mistakenly installed following OpenJDK JRE install

### Manual Steps to Replace Java JRE with OpenJDK JRE (must be completed on publisher and subscriber if using HA)

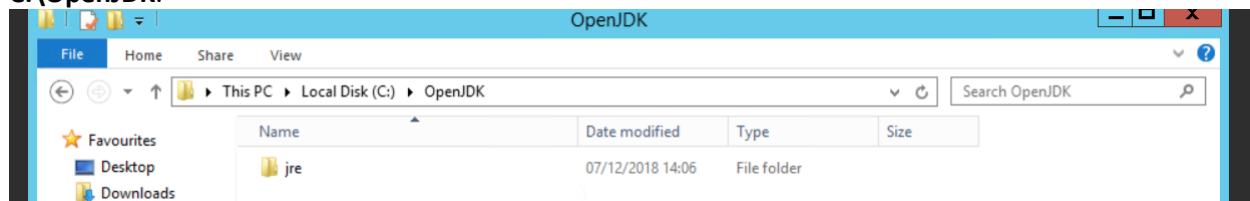
- 1) Download OpenJdk from [https://github.com/ojdkbuild/ojdkbuild/releases/download/1.8.0.191-1/java-1.8.0-openjdk-1.8.0.191-1.b12.ojdkbuild.windows.x86\\_64.zip](https://github.com/ojdkbuild/ojdkbuild/releases/download/1.8.0.191-1/java-1.8.0-openjdk-1.8.0.191-1.b12.ojdkbuild.windows.x86_64.zip)
  - a. Pull **java-1.8.0-openjdk-1.8.0.191-1.b12.ojdkbuild.windows.x86\_64.zip**
  - b. The referenced build is the only version supported as of the CUAC Advanced 11.0.2.20 and 12.0.4 release.
- 2) Stop all CUACA services (CUAC Server, BLF Plug-in, LDAP Plugin, CUPS or Presence Plugin) on target machine.
- 3) Remove the existing Java JRE if present on target machine



- 4) Extract and Browse the OpenJDK downloaded build **java-1.8.0-openjdk-1.8.0.191-1.b12.ojdkbuild.windows.x86\_64** and copy **jre** folder

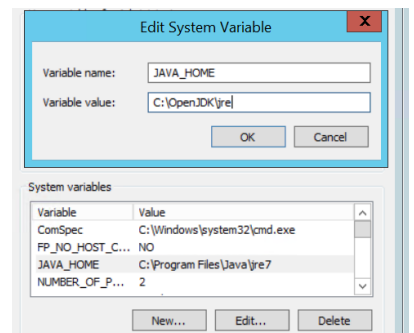


- 5) Create a new folder name **“OpenJDK”** under c drive of server machine and paste the jre folder under **C:\OpenJDK**.

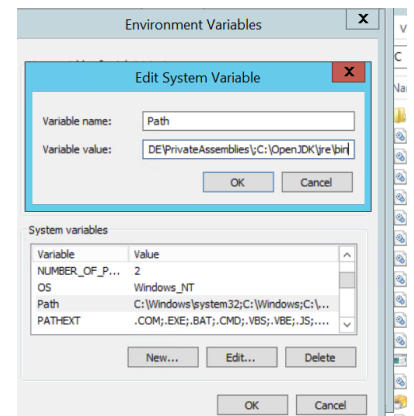


- 6) Right click **My Computer** and select **Properties**
- 7) Click **Advanced System Settings** link

- 8) Click **Advanced** tab
- 9) Click **Environment Variables...** button
- 10) Select **JAVA\_HOME** from system variables list, and click **Edit** button
- 11) Variable value should be set to **C:\OpenJDK\jre**
- 12) Click OK



- 13) Select **Path** from the system variables list, and click **Edit** button.
- 14) Modify Variable Value as follows:
  - a. **DO NOT DELETE EXISTING** value
  - b. Confirm the existing value does not already contain the following string. If the value already exists, click Cancel and move to next step.
    - i.  **;C:\OpenJDK\jre\bin**
  - c. **APPEND (DO NOT REPLACE)** the following to the end of the existing value  **;C:\OpenJDK\jre\bin**
- 15) Click OK
- 16) Restart the target machine



- 17) To verify the correct version of the JRE is running, from the command prompt, execute the command:
  - a. `java -version`
 (The correct OpenJDK build is 1.8.0.191-1, as shown below)

```

Administrator: Command Prompt
Microsoft Windows [Version 6.3.9600]
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C:\Users\Administrator>java -version
openjdk version "1.8.0_191-1-ojdkbuild"
OpenJDK Runtime Environment (build 1.8.0_191-1-ojdkbuild-b12)
OpenJDK 64-Bit Server VM (build 25.191-b12, mixed mode)

C:\Users\Administrator>_
  
```

- 18) After machine restart all CUACA services should be up and running.
  - a. If not:
    - i. Ensure that the startup type for each service is set to automatic.
    - ii. Check their JAVA dependent functionality e.g Inter Server Channel connectivity of different services like Cisco Unified Attendant Server, BLF Plug-in, LDAP Plug-in, Presence Plug-in.