## Transition to OpenJDK JRE

Oracle has announced changes for its distribution of Java SE 8 <u>https://www.java.com/en/download/release\_notice.jsp</u>, 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 <u>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</u>
  - 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

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View installed updates To uninstall a program, select it from the list and then click Uninstall, Change or Repair.								
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		Name	<b>▲</b>	Publisher	Installed On	Size	Version	
		🚍 Cisco IP Commu	nicator	Cisco Systems, Inc.	21/08/2018	110 MB	8.6.1.0	
		🔂 Cisco Unified Atte	endant Server	Cisco	05/12/2018	111 MB	10.0.1.10	
		🛃 Cisco Unified Cor	mmunications Manager TSP-64Bit	Cisco Systems, Inc.	05/12/2018	19.6 MB	11.5.0.1	
		🕌 Java 7 Update 7 (6	54-bit)	Oracle	05/12/2018	127 MB	7.0.70	
		Microsoft .NET Fr	amework 4 Multi-Targeting Pack	Microsoft Corporation	20/08/2018	83.4 MB	4.0.30319	

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

← → ✓ ↑ 📜 > Java-JRE > java-1.8.0-openjdk-1.8.0.191-1.b12.ojdkbuild.windows.x86_64										
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5) Create a new folder name "**OpenJDK**" under c drive of server machine and paste the jre folder under C:\**OpenIDK** 

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

Cisco Unified Attendant Console Advanced – Version 10.5.2 through 12.0.x

- 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
  - 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)



- 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.

		OK	Cancel					
System variables								
Variable	Value		^					
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E	nvironment	√ariables	x	J				
	Edit System	Variable	X					
Variable name:	Path							
Variable value:	Variable value: DE\PrivateAssemblies\;C:\OpenJDK\jre\bin							
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NUMBER_OF_P	2							
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		OK	Cancel					

Edit System Variable

JAVA\_HOME

C:\OpenJDK\jre

Variable

## January 2019