

# Valley Library Consortium

## ***Replacing Oracle Java with Amazon Corretto for Horizon 7.5.6***

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SirsiDynix and the Valley Library Consortium recommend that member libraries switch from using Oracle Java to the free Amazon Corretto with the Horizon staff client. Removing Java might cause problems with other programs installed on a PC, specifically older version of Envisionware.

Though it was previously free to use, newer releases of Oracle Java are subject to license fees, and to potentially large fines if those license fees are not paid. Older versions of Oracle Java are no longer being updated and have known security vulnerabilities.

### **Download Amazon Corretto JRE and Horizon DLL files**

Horizon 7.5.6 is compatible with 32-bit Corretto, version 8.

There are three “DLL” files that must be replaced in the Horizon program directory.

You may download the Corretto installer and Horizon DLL files here:

<https://www.valleylibrary.org/wp-content/uploads/VLC-Horizon-Corretto.zip>

Unzip the downloaded file in to a convenient location, such as the desktop. There will be four files:

- \* amazon-corretto-8.372.07.1-windows-x86-jre.msi
- \* BCommercede.dll
- \* Mqlmg.dll
- \* SunBaseu.dll

### **Verify “Write” permissions to the Horizon program directory**

1. Verify your Horizon program folder by right-clicking your Horizon icon and going to Properties. The folder will be listed in the "Start In" field.

2. Before proceeding with the other steps, make sure that your user has permission to write to that folder. To check that permission, you can use Windows File Explorer to drill down to the Horizon path, then try to add a text file. If it lets you save to your Horizon folder, proceed with the other steps. If it doesn't let you save to that folder, you will need to work with IT to do this uninstall / install. Don't proceed with the other steps until you know you have the necessary permission to overwrite your existing DLLs.

### **Uninstall Oracle Java**

**It is possible that in addition to Horizon, you may have other programs installed on the computer that rely on Oracle Java. If so, or if you are unsure, please consult your local IT department before proceeding!**

To uninstall Java on a Windows PC

- 1) Click on the Windows icon at bottom-left corner of the screen.
- 2) Click on the Settings.
- 3) In the Settings window, start typing Control Panel in the search box.
- 4) When the Control Panel appears in Search results click on it to open.
- 5) Choose Uninstall a Program from the Programs category.
- 6) Select the Java program to uninstall and then click its Uninstall button. Depending on the version number, it should appear similar to “Java x update x”
- 7) Click Yes to confirm the program uninstall.

### **Install Corretto**

Double-click “amazon-corretto-8.372.07.1-windows-x86-jre.msi” to run the installer.

Accept all defaults by clicking “Next” through the process and “Finish” at the end

## **Update DLL files for Horizon compatibility with Corretto**

The zipped download file includes three updated “dll” files that need to be replaced for Horizon 7.5.6 to be compatible with Corretto.

The dlls to replace are:

MqImg.dll  
BCCommerce.dll  
SunBaseu.dll

Copy the three dll files into your Horizon program folder as determined above. You should be asked to confirm replacement of the original versions of the files.

### **Additional Notes**

Horizon 7.5.6 client installations on a PC that does not already have the Horizon client installed require Oracle Java 6 to be installed first. Once the Horizon installation is complete, you can remove Oracle Java.