



PROTEIN METRICS

**Byonic Java Environmental
Variable Setting**

December, 2019

Java Requirement

Java is required to run Byonic. Either Oracle JRE (version 8 or above) or OpenJDK (version 11.0.2 or above) needs to be installed. Byonic uses the system environmental variable PMI_JAVA_HOME to determine the version of Java to use. If undefined, then the default Oracle Java registered in the system is used.

- If no version of Java is installed, install Oracle JRE:
Download and install the 64-bit version from <https://www.java.com/en/>.
Java is usually installed in the “C:\Program Files\Java” directory and registered into the system.
Byonic should be able to use the default Java, no further setting is necessary.
- If multiple versions of Java are installed and Byonic needs to use a specific one, then use the following steps to create the environmental variable ‘PMI_JAVA_HOME’ and set the value to the version Byonic should use - *e.g:* PMI_JAVA_HOME=C:\Program Files\java\jre1.8.0_191

Detailed Steps:

1. Open Advanced system settings
 - For older Windows version:
Open Control Panel -> System Properties -> Advanced -> Environmental Variables.
 - In Windows 10:
Open Control Panel -> System and Security -> System and click **Advanced system settings**.

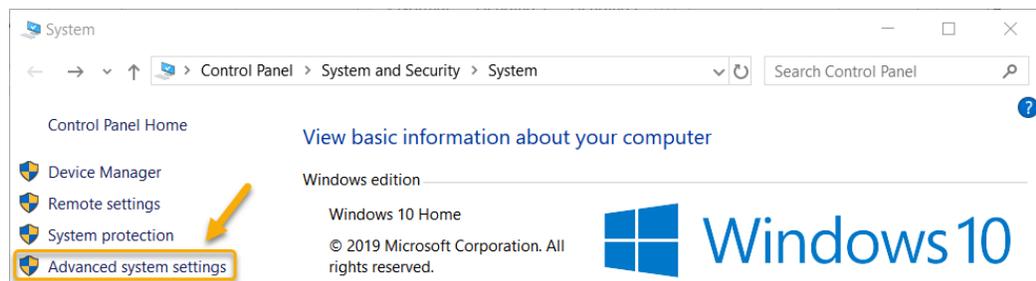


Figure 1: Windows 10 System settings

2. Select the **Advanced** tab and click **Environment Variables**.

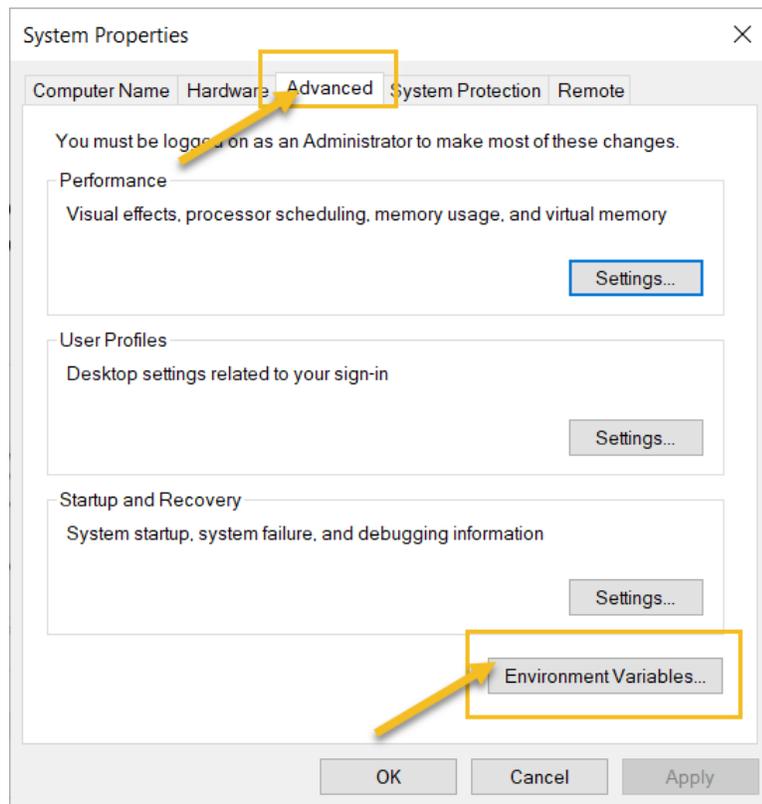


Figure 2: Advanced System Properties from the Control Panel

3. If you have admin privileges, create a System variable (1), otherwise, create a user variable (2)

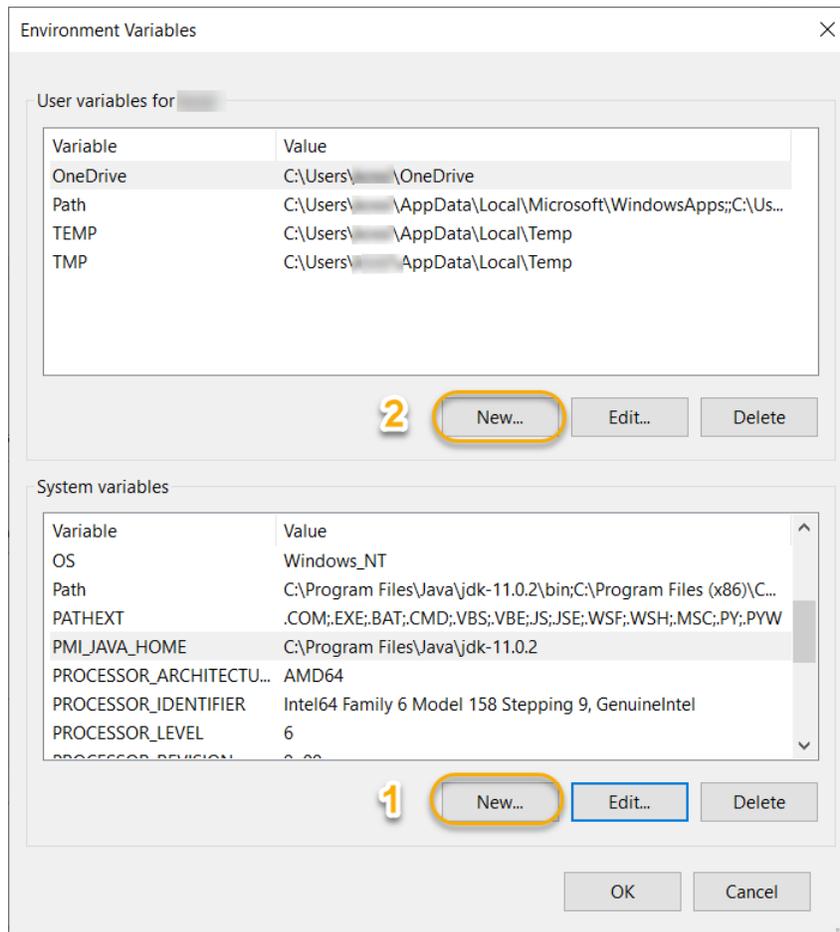


Figure 3: Environmental Variables dialog

4. In the New System (or User) Variable dialog, enter Variable name “PMI_JAVA_HOME”. Click **Browse Directory** and navigate to the Java folder (C:\Program Files\java\jre1.X.X_XXX) and click **Open**.

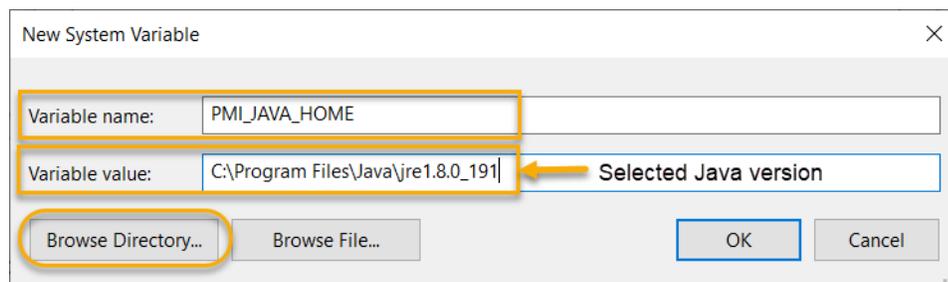


Figure 4: New Environmental Variable creation

Note: If the PMI_JAVA_HOME variable was already defined with an older version of Java that need to be replaced, select the variable name, click **Edit**, then click **Browse Directory**. Navigate to the new Java folder, click **Open**, and then click **OK** to save the edited variable value.