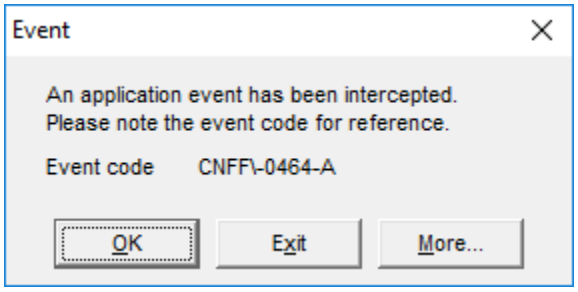
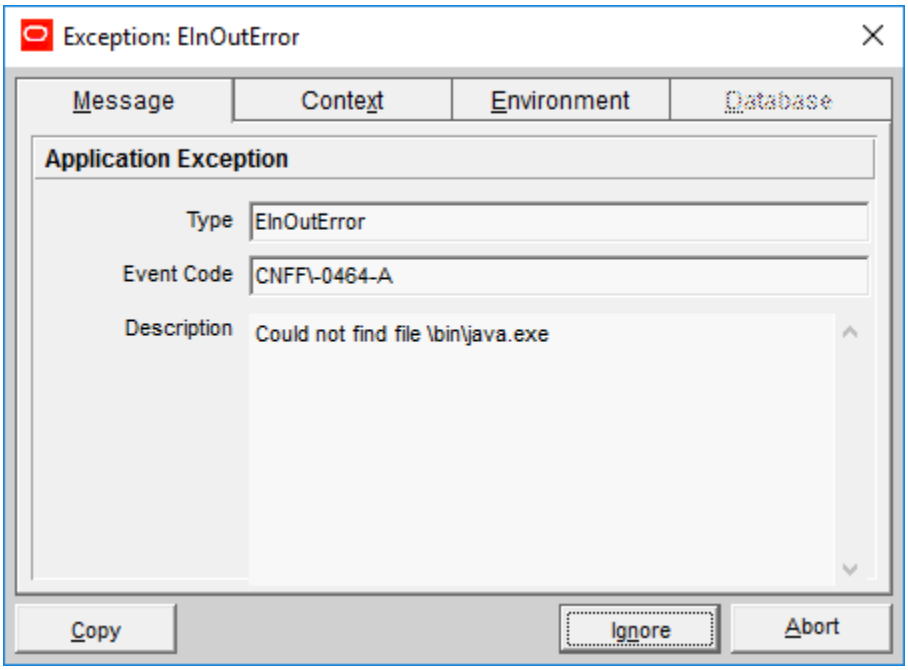
CEE 538 Computer-Aided Project Management

Problem: P6 Fails When Importing/Exporting an XML File

When you try to import or export an XML file using P6 on your own computer, the process may fail, and the following error may appear. This may occur, for example, when you use P6 to import or export an XML file that may have been exported from (or will be imported to) Microsoft Project. (This error should not appear when using P6 on CAEN.)



If you click on the button "More…" P6 shows the following dialog box:



Cause of the Problem: Primavera P6 Pro cannot find Java on your computer

As indicated by the "Description" in the above dialog, this error occurs because Primavera P6 Pro cannot find the home directory for *Java* on your computer. P6 exports and imports XML files using an app written in *Java* and this app cannot run unless it can find the *Java runtime environment* ("JRE") on your computer.

Solution: Install the Java Runtime Environment and let P6 know its path

Steps:

- A. Download and install the latest *Java run-time environment* on your Windows PC.
- B. Create a system *environment variable* in Windows, called **JAVA_HOME** that stores the path to the folder where the *Java run-time environment* is installed.

A. Download and install the latest Java run-time environment from "ninite.com"

This step may not be necessary if Java has already been installed on your computer as part of Primavera P6 Pro.

To verify that Java has been installed on your computer, look for one of the following folders:

- C:\Program Files (x86)\Java
- C:\Program Files\Java

If one of the above folders is already present, then skip this step (A) and go to step (B).

If neither of the above two folders can be found on your computer, use your web browser to download the Java runtime environment from:

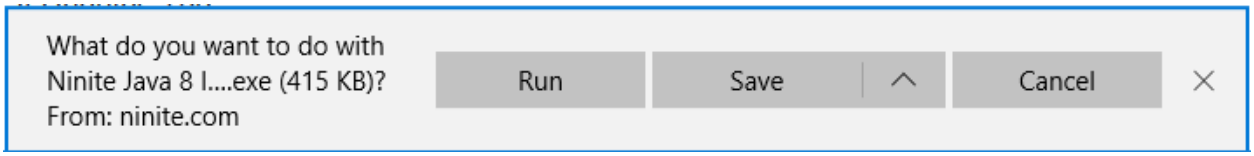
- http://ninite.com

Click on the above link and at "ninite.com" perform Steps 1 and 2 below:

1. *Pick the apps you want*
   Look under the section "Runtimes" and select "Java".

2. *Download and run your custom installer/updater*
   Click on the button "Get your Ninite"

A dialog box like the one below will appear. Click on "Run".



This will install the latest *Java run-time environment* on your Windows computer.

Note: The website *ninite.com* is very useful for installing (multiple) free apps with as little effort as possible while ensuring that these apps do not show advertisements and do not install any other unwanted software. Save it as a *bookmark* or *favorite* for future use.

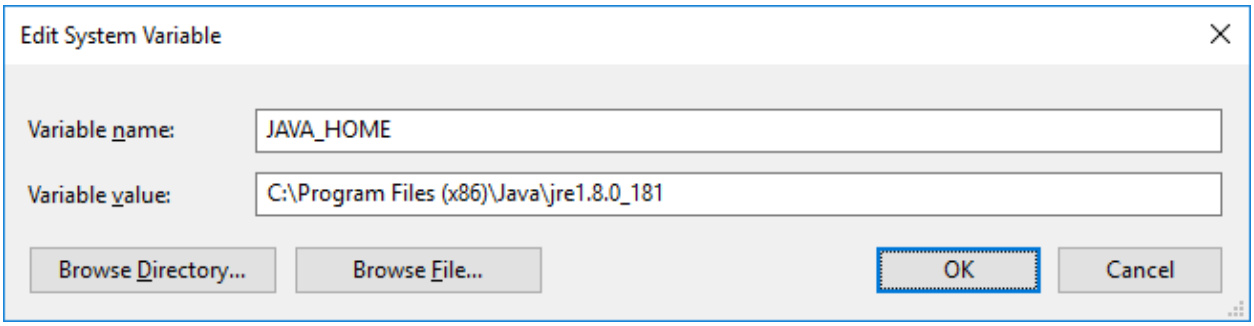
B. Create an environment variable called JAVA_HOME

To define or change an environment variable in Windows:

- Right-click the Windows "Start" menu (lower left corner of the screen) and in the menu that pops up left-click on "File Explorer".
- In "File Explorer" right-click on "This PC" (or "My Computer")
- Left-click "Properties"
- Left-click "Advanced system settings" (this requires Administrator privileges)
- Left-click "Environment Variables..."

At this point you can change the Windows environment variables for the system (this requires Administrator privileges).

You will define a system *environment variable* in Windows whose name should be "JAVA_HOME" as shown below:



Notice that the "*Variable value*" for the system *environment variable* named "JAVA_HOME" shown above might be different on your computer. The actual "*Variable value*" depends on which version of the Java Runtime Environment is installed on your computer (the above example is for JRE version 1.8.0_181). It also depends on where Java is installed:

- C:\Program Files (x86)\Java
- C:\Program Files\Java

To specify the appropriate "*Variable value*" for your computer, start by clicking the button "Browse Directory".

Also, notice that the path to the JRE directory should not end with a backslash "\" because P6 will append its own backslash "\" at the end of this path value.

Important: After you define the *environment variable* "JAVA_HOME", you must close P6 (if it is currently running) and start it again for the changes in environment variables to take effect.

At this point P6 should be able to export and import XML files correctly.