Script debugging (Eclipse development environment)

Eclipse - script debugging

To debug scripts in operation you have to start a process with running Java Virtual Machine ((JVM) (which executes a script (EVENT.EXE/HI.EXE)) by parameter "--java-debug". It activates JVM as a remote debugging.

This parameter is an equivalent of "abbreviation" of the parameter entry "---JVM-OPTION=-agentlib:jdwp=transport=dt_socket,server=y,address=8000, suspend=n".

The debugging works in such a way that Eclipse connects to JVM on a defined port (default setting is the port 8000, it may be changed by parameter "addr ess") via TCP/IP protocol layer and executes debugging of the program.

**This holds: the one JVM working on one computer can have a connection on one port. Hence, if you want to debug more pictures/events running on different EVENT.EXE/HI.EXE, you have to set different TCP/IP port for each of processes via the parameters from a command line.

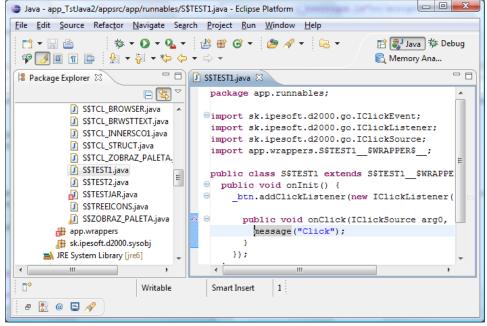
For example:

hi.exe --JVM-OPTION=-agentlib:jdwp=transport=dt_socket,server=y,address=8000,suspend=n event.exe --JVM-OPTION=-agentlib:jdwp=transport=dt_socket,server=y,address=8001,suspend=n

A debug configuration needs to be created in Eclipse if the process is in debug mode.

Follow these directions:

1. Open picture/event which is to be debugged (in our example it is S\$TEST1).



2. Choose the item **Debug configurations** from **Run** in the main menu, a dialog window opens, and then create a new debug configuration as Remote Java Application.

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3. Insert the port number, it must be the same like it has been set at activating of event.exe/hi.exe (or it can be 8000 if a shorten parameter "--javadebug" was used). Click on **Debug** button.

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Note: You need not create the new configuration for next debugging of the same script (steps 1, 2, 3).

