HP-UX Java™ JPI Version 1.4.2.06 for Netscape/Mozilla Release Notes

Note: Beginning with this Version 1.4.2.05 of the Plugin, Netscape browsers are not supported. This release and all future releases will support the HP-UX Mozilla browser only.

These release notes contain the following topics:

» Problems fixed in release

» Installation instructions

» Configuring the Runtime Plug-in for HP-UX

» Enabling HTML pages to use the Runtime Plug-in

» FAQs

» Other Documentation and Information

The Runtime Plug-in for HP-UX, Java Edition version 1.4.2.06, allows you to access the HP-UX Runtime Environment for the Java 2 Platform version 1.4.2.06 from within Mozilla for HP-UX 1.2.1.01 or later.

The Runtime Plug-in for HP-UX version 1.4.2.06 for HP-UX PA-RISC and Itanium supports the HotSpot Virtual Machines (Server).

Problems fixed in release

This release is based on Sun Microsystems' 1.4.2_06 version of the Java Plug-in available at http://java.sun.com/j2se/1.4.2/ReleaseNotes.html. See http://java.sun.com/j2se/1.4.2/changes.html for changes in the 1.4.2.06 release.

Installation instructions

NOTE: The directory structure and install model of the Runtime Plug-in has changed since version 1.3. Please see details below.

The Runtime Plugin is offered in a separate software depot file from the SDK/RTE. It should be installed by system administrators subsequent to the installation of the SDK or RTE. The Runtime Plugin standalone depot file contains only the files for the Runtime Plugin; it does not contain the RTE files. The Runtime Plugin with RTE depot file contains both the Plugin and RTE files.

Version 1.4.2.06 of the Runtime Plugin requires the shared library(ies) loaded by the Mozilla browser, the remaining Runtime Plugin files, and the JRE, to be located in the following fixed relative position:

`<dir>/jre`	Runtime plug-in and RTE files
`<dir>/jre/plugin/PA_RISC2.0/mozilla`	Runtime Plugin shared libraries loaded by Mozilla browser
`<dir>/jre/plugin/IA64N/Mozilla`	IPF Runtime Plugin shared libraries loaded by Mozilla browser

If the JPI is installed in the default location, `/opt/java1.4/jre`, then the following links are created during install to allow the browser to locate the Runtime Plug-in shared library:

PA-RISC installation:

```
/opt/mozilla/plugins/libjavaplugin_oji.sl -> \
/opt/java1.4/jre/plugin/PA_RISC2.0/mozilla/libjavaplugin_oji.sl
```

Itanium installation:

```
/opt/mozilla/plugins/libjavaplugin_oji.sl -> \
    /opt/java1.4/jre/plugin/IA64N/mozilla/libjavaplugin_oji.sl
```

If the Runtime Plugin is installed in a non-default location, a system administrator may create similar links in order to enable Mozilla to find the Runtime Plugin.

The environment variable `MOZ_PLUGIN_PATH` for Mozilla may optionally be used as described in the section below regarding configuration.

The Runtime Plug-in SD depot (**.depot** file)

This offers a system-wide installation and imitates the installation model of the Java Plugin 1.4.2 for Solaris™.

By default, both the RTE depot and the Runtime Plugin depot install into the directory `/opt/java1.4/jre`. As required by the HP-UX `swinstall` program, the user installing the depot must have root privileges.

The fileset for the Runtime Plugin 1.4.2 SD depot is therefore as listed below. The default for mnemonic `<dir>` is `/opt/java1.4`

```
<dir>/jre/lib/plugin.jar
<dir>/jre/lib/libjavaplugin.sl
<dir>/jre/bin/java_vm
<dir>/jre/plugin/jpi.release.notes
<dir>/jre/plugin/LICENSE
<dir>/jre/plugin/PA_RISC/ns600/libjavaplugin_oji.sl
<dir>/jre/bin/ControlPanel
<dir>/jre/ControlPanel.html
```

PA-RISC installation:

```
/opt/mozilla/plugins/libjavaplugin_oji.sl -> \
    <dir>/jre/plugin/PA_RISC2.0/mozilla/libjavaplugin_oji.sl
```

Itanium installation:

```
/opt/mozilla/plugins/libjavaplugin_oji.sl -> \
    <dir>/jre/plugin/IA64N/mozilla/libjavaplugin_oji.sl
```

Uninstallation instructions

For the Runtime Plug-in installed by the SD depot, use swinstall.

Configuring the Runtime Plug-in for HP-UX

You can configure the Runtime Plug-In by running the ControlPanel script, which launches the ControlPanel java application, or by loading ControlPanel.html in the browser. Both files are found in the directory `jre/bin` and `jre/`, respectively, under the directory where the Runtime Plug-in has been installed.

The ControlPanel application generates a file, `$HOME/.java/deployment/deployment.properties`. This file contains, among other settings, the path to the RTE to be used by the Runtime Plug-in for HP-UX when the Netscape browser loads an applet from a Runtime Plug-in enabled html page. This setting is stored in the key:

```
javaplugin.jre.path=<dir where RTE is installed>
```

For example,

```
javaplugin.jre.path=/opt/java1.4/jre
```

No environment variables are necessary for configuring the Runtime Plug-In for HP-UX, Java Edition. However, you may optionally use the following environment variables.

MOZ_PLUGIN_PATH

You can use the `MOZ_PLUGIN_PATH` environment variable to direct the Mozilla browser to search alternate directories for plug-in libraries.

Note: The entries in the `$HOME/.java/deployment/deployment.properties` file supercede those of `MOZ_PLUGIN_PATH` when locating the RTE.

CLASSPATH

A user's `CLASSPATH` environment variable can be passed by the JVM by running the Control Panel and specifying either '`-cp`' or '`-classpath`' in the "Java Run Time Parameter" box. You need to exit and rerun a browser for this change to take effect.

Enabling HTML pages to use the Runtime Plug-in for HP-UX

The first time the Mozilla browser loads an applet from a Runtime Plug-in enabled HTML page, it will download and install the Runtime Plug-in for HP-UX.

Sun Microsystems Inc. has provided some additional tools to assist users in using Plug-in products. They have provided a converter to automate the enabling on HTML pages. They also provide an HTML specification for users who wish to enable their HTML pages manually. Information on Sun Microsystems HTML converter and specification is available at http://java.sun.com/reference/docs/index.html. You may want to use it to modify your HTML pages to specify use of the Runtime Plug-in for HP-UX, Java Edition, version 1.4.x instead of the default browser version of the HP-UX Runtime Environment for Java.

`Note`: A Java Runtime Plug-in enabled html page is not required when Netscape 6 browser is used. Whether an `APPLET` tag or an `EMBED` tag is used, the Java Runtime Plug-in will be loaded.

Other Documentation and Information

Other Sun documentation and FAQ are available at http://java.sun.com/reference/docs/index.html.

Info on HP-UX Mozilla browser is available at Mozilla Web Browser for HP-UX Downloads and Documentation.

For the latest information on Java products for HP-UX, see Java™ Technology Software on HP-UX.

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