

Upgrading Pramati Server Installation on JDK 1.3.x to JCE 1.2.2

Why upgrade

Expiry of the signing certificate in JCE 1.2.1 version may cause Pramati Server not to start on JDK 1.3.x. The signing certificate in the JCE 1.2.1 jar, which is shipped with the Server, has expired 27 July 2005, making the files unusable. The official Sun notification is posted on this URL:

<http://sunsolve.sun.com/search/document.do?assetkey=1-26-101796-1&searchclause>

The impact statement on Sun's website says:

“The Java Cryptography Extension (JCE) 1.2.1 is an optional package for J2SE 1.2.x and 1.3.x that provides a framework and implementations for encryption, key generation, key agreement, and Message Authentication Code (MAC) algorithms. The digital certificate that was used to sign the JCE 1.2.1 jar files will expire on July 27, 2005, after which the product will no longer function.”

Note: Customers running Pramati Server on JDK 1.4.x will not face this problem.

How will you know

The effect of the certificate expiry shows up as a license error when starting Pramati Server on JDK 1.3.x.

Workaround

If you wish to continue using JDK 1.3.x, here is what you should do: Replace the JCE and related jars in the directory `<server_install>/server/lib/std/`, with the JCE 1.2.2 jars released by Sun for JDK 1.3.x users.

Instructions

- 1 Download the new jars from *<http://java.sun.com/products/jce/index-122.html>*
- 2 Extract the jars: `jce1_2_2.jar`, `local_policy.jar`, `sunjce_provider.jar`, and `US_export_policy.jar` into `<server_install>/server/lib/std/`. This will replace three existing jars and include a new one: `jce1_2_2.jar`.
- 3 Delete the existing file: `jce1_2_1.jar`.
- 4 Rename the new file: `jce1_2_2.jar` to `jce1_2_1.jar`.

Note: An alternate, and more elegant, way is to edit the MANIFEST.MF in the package `<server_install>/server/lib/pramati/classpath.jar`. The manifest has an entry for `jce1_2_1.jar`. Replace it with an entry for `jce1_2_2.jar`, and refresh the updated MANIFEST.MF file in the `classpath.jar` file

5. Restart Server.

For more information, visit <http://devportal.pramati.com>.