Usage: How to Install the Unlimited JCE Jurisdiction Policy?

There are several scenarios, such as exporting your PKCS#12 / Uber KeyStore file from your browser and using a stronger password that is greater than 7 characters, that require you to download and install the Java Cryptography Extension (JCE) Unlimited Strength Jurisdiction Policy Files so you can further perform the necessary operations. This is a matter of U.S. policy and U.S. export controls and is not triggered by technical reason.

Usually, for Oracle, the Unlimited JCE is available to download as an additional resource in the download index for JDK/JRE (http://www.oracle.com/technetwork/java/javase/downloads/index.html). This will depend on the Java version currently used to start CERTivity. For example, for Java 1.7, which is also the current JRE in the bundled setups, from Oracle, you can download the required files from:

http://www.oracle.com/technetwork/java/javase/downloads/jce-7-download-432124.html.

CERTivity has a wizard which tries to handle automatically the installation of the Unlimited JCE Jurisdiction Policy, through an embedded browser opened at the official Oracle address. You only have to Accept the license agreement, if your conditions allows this, and click the download link. The rest of the procedure is automatically taken care by CERTivity. To benefit from this go to **Help > Advanced Details > Security Properties** and check the Policy Status to see if the Unlimited Policy is installed or not. If it is not Installed (status value is `false`), then use the **Install** button. This works for Java version 1.7.0_13 or later because the browser is made available through JavaFX.

If for some reasons, such as JavaFX incompatibilities, the wizard for automatic installation of the Java Cryptography Extension (JCE) Unlimited Strength Jurisdiction Policy Files is not working, then, in order to manually install these files, follow the steps below:

- Accept the license agreement from the Java vendor;
- Download the unlimited strength JCE policy files;
- Uncompress and extract the downloaded file - this will create a version dependent subdirectory called, for example, *UnlimitedJCEPolicy* for Java 1.7;
- Install the unlimited strength policy JAR files from the uncompressed *UnlimitedJCEPolicy* directory:
    - in case of using a CERTivity bundled JRE setup, the place for JCE policy files is in *${certivity.home}/jre/lib/security*, for example for Windows: *C:\ Program Files (x86)\ EduLib\ CERTivity 1.2\ jre\ lib\ ;security*
    - the standard place for JCE policy files is: *${jdk.home}/jre/lib/security* in case of using JDK for starting CERTivity, or *${jre.home}/lib/security* in case of using a JRE. To see the exact version of Java used for CERTivity consult the *Help > About* menu or the CERTivity log file. To control the Java used to start CERTivity set the *jdkhome* property from *${certivity_home}/etc/certivity.conf* by uncommenting and pointing it to the JRE path, for example: *jdkhome="C:\ Program Files\ Java\ jre7"*

Unique solution ID: #1023
Author: Administrator
Last update: 2014-01-24 09:06