



Urgent Support Notice

Daylight Savings Time Adjustment – Attention Required

As a result of the upcoming date changes for Daylight Savings Time (DST), many systems and applications require modifications or patches to continue to report time correctly after March 11th. For example, all Java environments prior to JRE 1.4.2_11 need to be updated or patched to reflect these new dates. As Q Pasa! and Q Nami! both include an embedded Java JRE with the Services and all Client installs, it will be necessary for you to update the embedded Java JREs provided with those products.

In addition, you must consult with your hardware provider and ensure the operating systems on all machines in your Q Pasa!/Q Nami! network (database server, services server, clients, agents/extensions) are appropriately patched.

Likewise, any technologies that you monitor with Q Pasa!/Q Nami! (WebSphere MQ, Application Server, Message Broker, WebLogic, etc.) may require patches or updates as well. Please check with your technology vendor (IBM, BEA, Oracle, etc.) for the exact steps.

Updating the Q Pasa!/Q Nami! Services

In order to patch Q Pasa!/Q Nami!, the first step is to upgrade the Java JRE on the Q Pasa!/Q Nami! Service machine. The utilities that perform the upgrade are provided by Sun and IBM, and we are not legally allowed to distribute them. Each vendor provides a description of how to run and apply the update. However, we have provided instructions for how to download and apply these updates.

The utility that you use to make this change is dependent on the Service platform you run.

On Windows

If you run the Q Pasa!/Q Nami! Services on Windows, you must use the following Sun utility. Note that this download may require you to register at the Sun site and create a free account.

JDK US DST Timezone Update Tool - 1.0.1

The tzupdater tool is provided to allow the updating of installed JDK/JRE images with more recent timezone data in order to accommodate the U.S. 2007 daylight saving time changes (US2007DST) originating with the U.S. Energy Policy Act of 2005.

To acquire the tool, go to <http://www.sun.com/> then hover over Downloads and select TOP Downloads. On that page to the right is a field called "**Search the Download**" center. Enter "**DST**" and click the orange arrow, then click on "**Java SE Downloads**". Scroll through the list until you see this:

"JDK US DST Timezone Update Tool - 1.0.1"

Follow the links to download the tool.

Once you have downloaded the tool and unzipped it, copy the tzupdater.jar to:
<MQSoftware Install Directory>\jre\bin



where <MQSoftware Install Directory> is where you have Q Nami! or Q Pasa! installed.

From a Windows command prompt, change directories to <MQSoftware Install Directory>\jre\bin and run the following command:

```
<MQSoftware Install Directory>\jre\bin\java -jar tzupdater.jar -u
```

On Solaris

If you run the Q Pasa!/Q Nami! Services on Solaris, you must use the following Sun utility:

JDK US DST Timezone Update Tool - 1.0.1

The tzupdater tool is provided to allow the updating of installed JDK/JRE images with more recent timezone data in order to accommodate the U.S. 2007 daylight saving time changes (US2007DST) originating with the U.S. Energy Policy Act of 2005.

To acquire the tool, go to <http://www.sun.com/> then hover over Downloads and select TOP Downloads. On that page to the right is a field called "**Search the Download**" center. Enter "**DST**" and click the orange arrow, then click on "**Java SE Downloads**". Scroll through the list until you see this:

"JDK US DST Timezone Update Tool - 1.0.1"

Follow the links to download the tool.

Once you have downloaded the tool and unzipped it, copy the tzupdater.jar to:

```
<MQSoftware Install Directory>/jre/bin
```

where <MQSoftware Install Directory> is where you have Q Nami! or Q Pasa! installed.

Then change directories to <MQSoftware Install Directory>/jre/bin and run the following command:

```
<MQSoftware Install Directory>/jre/bin/java -jar tzupdater.jar -u
```

On AIX

If you run the Q Pasa!/Q Nami! Services on AIX, you must use the following IBM utility:

IBM Time Zone Update Utility for Java (JTZU)

The IBM Centre for Java Technology Development has produced a tool to adjust Daylight Saving Time that changes the Java time zone information in accordance with the change mandated by the US Energy Policy Act of 2005, together with the changes for other countries.

To acquire the tool, go to <http://www.ibm.com/developerworks/java/jdk/dst/index.html> and scroll down to the middle of the page under "JTZU utility downloads". Select the download for "jtzu-1.2.7a.zip". Note that this is a graphical tool requiring an X Window System interface.

Before proceeding, please make sure that your userid has write permission to the following files:

```
<MQSoftware Install Directory>/jre/lib/core.jar
```

```
<MQSoftware Install Directory>/jre/lib/core.jar_jtzubackup
```



How to patch a JRE at a known location

1. Edit the JTZU Settings file: `runjtzuenv.sh`
2. In the JTZU Settings file, set **JAVA_HOME** to the path of the directory containing the JRE that you are going to use to run the utility. (e.g., `/usr/opt/qpasa/jre`)
3. Set the value of **NOGUI** in the JTZU Settings file to **false**. The **DISCOVERONLY** setting is not used.
4. Update environment settings by executing `runjtzuenv.sh`
5. Run JTZU by executing `runjtzu.sh`
6. In response to the prompt, select **Interactive** mode and click **Start**.
7. Enter the location of the JRE (e.g., `/usr/opt/qpasa/jre`) in the text box or use the **Browse** button to select one.
8. Click **Update** to perform the time zone update for the selected JRE.

There is no feedback providing during this process, so be patient, and wait for a completion message. You do not need to reboot your system after patching the JRE.



Updating the Q Pasa!/Q Nami! Clients

Updating the Windows Clients

In addition to the service machine, every Windows machine that has the Windows Management Console installed will also need to be updated using the Sun utility.

JDK US DST Timezone Update Tool - 1.0.1

The tzupdater tool is provided to allow the updating of installed JDK/JRE images with more recent timezone data in order to accommodate the U.S. 2007 daylight saving time changes (US2007DST) originating with the U.S. Energy Policy Act of 2005.

To acquire the tool, go to <http://www.sun.com/> then hover over Downloads and select TOP Downloads. On that page to the right is a field called "Search the Download" center. Enter "DST" and click the orange arrow, then click on "Java SE Downloads". Scroll through the list until you see this:

"JDK US DST Timezone Update Tool - 1.0.1"

Follow the links to download the tool.

Once you have downloaded the tool and unzipped it, copy the tzupdater.jar to:

<MQSoftware Install Directory>\jre\bin

where <MQSoftware Install Directory> is the location where you have Q Nami! or Q Pasa! installed.

From a Windows command prompt, change directories to <MQSoftware Install Directory>\jre\bin and run the following command:

```
<MQSoftware Install Directory>\jre\bin\java -jar tzupdater.jar -u
```

Updating the Web Clients

For customers using the Web Management Console, you should ensure that you have a version of the Java 1.4.2 plug-in equal to or higher than Java 1.4.2_11 on all machines that will be used to run the Web Management Console. You can download the current installable Java 1.4.2_13 JRE (which includes the plug-in) from the following location. Follow the directions for installing that Java JRE on your client machines.

<http://java.sun.com/j2se/1.4.2/download.html>

Alternatively, if you cannot install the full JRE and plug-in, you can use the JDK US DST Timezone Update Tool previously discussed to update your existing Java 1.4.2 plug-in installations using the steps below.

Updating the Java plug-in on your web client machine

1. Make sure that all running instances of Java are stopped.
2. Start the regedit program by clicking on the Windows Start button, going to the Run entry, and typing in "regedit" (without the quotes), then clicking the Ok button.



3. In regedit, expand the tree on your left to the HKEY_LOCAL_MACHINE\SOFTWARE\JavaSoft\Java Plug-in folder. In this folder is a subfolder named with the build number of your plug-in. There may be more than one subfolder present. You can find the install directory for each Java 1.4.2 plug-in that needs updating by clicking on the subfolder.
4. For each Java plug-in, the plug-in installation directory will be associated with a subfolder key named JavaHome. From a DOS command window, change directories to that plug-in install directory.
5. Type “dir /s java.exe” to find all instances of java.exe in any subdirectories.
6. Navigate to each subdirectory located in the previous step.
7. Type “.\java -jar <MQSoftware Install Directory>\jre\bin\tzupdater.jar -u” to update this java installation.
8. Repeat steps 6-7 for each subdirectory.
9. Repeat steps 4-8 for each of the Java 1.4.2 plug-ins listed in the regedit plug-in folder.



Updating the Q Pasa!/Q Nami! Agents and Extensions

The Q Pasa!/Q Nami! Agent and Extensions do not require an update to operate correctly. However, you must ensure that the operating system and the technology you are monitoring is correctly updated per the vendor's instructions. For example, if you are monitoring WebSphere MQ on Solaris, you must ensure that the Solaris operating system and WebSphere MQ are updated. Failure to do so will result in incorrect times being reported to Q Pasa!/Q Nami!.

Updating the Q Pasa!/Q Nami! Database Server

You must ensure that the operating system where the Q Pasa!/Q Nami! Database Server is running is properly updated per the vendor's instructions. We also recommend that you update your Database Management System per the vendor's instructions.