Topic: 2007 Daylight-Saving Time and Java Patch for Sentral
Component(s) Affected: Sentral
Date: 03/09/2007

OVERVIEW / ENVIRONMENT

In 2007, daylight-saving time starts three weeks earlier than usual. The affect of this change is minimal in the ClearCube™ environment. When the clock time moves forward one hour on the Sentral™ server, it can cause managed devices to appear offline until Sentral receives the next heartbeat, or poll, from the devices.

DETAILED DESCRIPTION

When daylight-saving time occurs at 2 A.M. on March 11 2007, clock time on the Sentral server will move forward one hour. In the Sentral Console, it then appears that managed devices have not responded for one hour. Devices might be identified as offline until Sentral receives the next heartbeat from each 0238revB_JWdevice. By default, this is a five-minute period; however, this time period could be longer if the heartbeat settings in your environment are longer.

If any managed devices appear offline, they do not affect processing or users who are logged into blades or virtual machines. Sentral Console displays these devices as offline, and new I/Port™ and Web-based connections to those offline devices can not be established until Sentral receives a heartbeat from each device (five minutes by default). This issue does not affect C/Port™ connections.

RESOLUTION

To prevent this issue, download and install the Java® tzupdater tool on the primary and secondary (if applicable) Sentral servers. The tzupdater tool and instructions about installing it are located at the following URL:

http://java.sun.com/developer/technicalArticles/Intl/tzupdatertool.html

To resolve any future time-related issues, you can also install the tzupdater tool on all blades, virtual machines, and servers running Sentral.

For more information, contact ClearCube technical support.

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