

IDP Daylight Savings Time (DST) Release Notes

Synopsis

Starting in 2007, Daylight Savings Time (DST) will be extended.

Summary

In an effort to reduce energy consumption, section 110 of the Energy Policy Act of 2005 (Pub.L. 109-58) amends the DST schedule so that, beginning in 2007, DST will start on the second Sunday of March (March 11, 2007), and change back to standard time on the first Sunday of November (November 4, 2007), making it longer than in previous years.

Impact

IDP OS currently has the DST schedule (defined in 1986 as the first Sunday in April to last Sunday in October) hard-coded, which has DST starting on 4/1/07 and ending on 10/28/07. The impact is that logs and other time-based services will be one hour off, for two weeks at the beginning and one week at the end of the DST period. This change is independent of the clock source (ntp or internal).

The Department of Energy (DOE) is required to study the impact of the DST extension (within nine months after the change) and Congress might revert to the previous schedule if the study does not show significant energy savings from extending DST. For this reason, future upgrades might still be required to accommodate additional date changes.

Affected Products

IDP 3.1, 3.2, and 4.0r3
(IDP 4.0r1 release already has the DST fix.)

Solution

Upgrade IDP sensors with the RPM patch that include the DST fix.

To install the RPMs on the IDP sensor, use the following instructions:

1. Download the file `DST_2007_RPMs.tbz` and copy it to `/tmp` folder on the IDP sensor.
2. Decompress and extract the contents of the following files.
`#bunzip2 DST_2007_RPMs.tbz`
`#tar xvf DST_2007_RPMs.tar`
3. Upgrade the RPM packages with the following command.
`rpm -Uvh --force glibc-2.2.4-32.23.i386.rpm glibc-common-2.2.4-32.23.i386.rpm shadow-utils-20000902-17idp.i386.rpm`
4. Reboot the IDP sensor.
5. Log into ACM then click on **Reconfigure Date/Time**. Without making any changes click on **Apply Settings/Next Step**. Select **Save & Apply** the changes on the sensor.

FAQ

Q. Which IDP versions are affected by the DST change?

A. All releases of IDP version 3.1, 3.2 and 4.0r3 are affected. (4.0r1 is not affected by the DST change.)

Q. Which IDP versions is this patch supported on?

A. IDP 3.1r5, 3.2r4 and 4.0r3.

Q. How do I know if I need to install this DST patch?

A. IDP releases 3.1, 3.2 and 4.0r3 do not have the updated package for the DST change. If you are running any of these releases please upgrade to one of the supported release (3.1r5, 3.2r4 , 4.0r3) and apply the DST fix.

Q. Will the DST change be fixed in the next IDP software release?

A. Yes. Versions 3.2r5 and 4.0r4 will have the DST fix included.

Q. After sensor migration/upgrade do I need to reinstall the DST fix on the sensor?

A. Yes. If the sensor is upgraded to any of the affected releases stated above, the DST fix needs to be reapplied.