

Daylight Savings Time Update Installer

Sender	Recipient	Attached Files	Pages	Date
Development	Internal/External	None	5	12/14/06

This technical note explains how to install, reinstall, and uninstall the Daylight Savings Time (DST) Update Installer for Netcool®/Proviso® DataView. It contains the following topics:

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Introduction

Starting in 2007, Daylight Savings Time (DST) will begin earlier and end later than it has in the past. This change requires an update to the Java Runtime Environment (JRE) located in the SilverStream installation directory.

The DST Update Installer replaces the existing JRE with a version that supports the new DST start and end dates.

Note: *The DST Update Installer applies to Netcool Proviso versions 4.3 and higher, up to **but not including** version 5.1. This fix should only be installed with one of these Proviso versions.*

Prerequisites

Before you install the DST update, ensure that:

- You are running Netcool/Proviso version 4.3 or later, up to *but not including* version 5.1.
- There is at least 82Mb of free space on the disk where SilverStream is installed.
- You perform the following pre-installation tasks:
 - Install Solaris patches
 - Unpack the DST Update Installer Bundle

The following sections describe these tasks.

Install Solaris Patches

Before you install the Netcool/Proviso DST Update, make sure you have installed the full set of Solaris Operating System patches needed for support of this release of Java 2 Platform, Standard Edition. The following table contains links to the patches:

Patch	URL
Required Java SDK Cluster Patches for Solaris	http://sunsolve.sun.com/pub-cgi/show.pl?target=patches/JavaSE
Required Solaris DST patches	http://sunsolve.sun.com/search/document.do?assetkey=1-26-102178-1

Patch numbers are valid only for the time of their publication on the Sun web site. If you do not install the patches immediately after downloading them, the patches may be out of date when you are ready to install them. Check the Sun web site to make sure you have the latest versions of the patches before you install them.

Note: *If you do not have OpenGL installed, the patches 113886-40 Code8 and 113887-40 Code25 in the Solaris J2SE Patch Cluster cannot be installed. However, you can ignore error messages relating to these patches. These patches are not critical to the operation of the Netcool/Proviso software.*

Unpack the DST Update Installer Bundle

The DST Update Installer is packaged as a tarfile. Copy the file to a directory and untar the file. A recommended directory is the DataView installation directory, whose default location is `/opt/dataview`.

The DST Update tarfile will create a subdirectory named `dvdstfix`. For example:

```
$ cd /opt/dataview
$ tar xvf dvdstfix.tar
```

Installation

***Note:** Run the installation as the Unix user that was used to install SilverStream. In most cases, this user is pvuser, but in some cases may be root.*

The installation script reads a DataView configuration file to find the SilverStream installation directory and other values. The default location of the file is `/var/tmp/PvInstall/dvinstall.cfg`, but this location can be changed during DataView installation. If the location was changed, the configuration file's location can be passed to the DST Update Installer script with the `-f directory` command-line argument. For example, if the configuration file is located in `/var/tmp/DataviewInstall/install.cfg`, run the DST Update Installer script as follows:

```
$ ./install -f /var/tmp/DataviewInstall/install.cfg
```

After all prerequisites are met, perform the following steps to install the DST Update:

1. Change the directory to the DST Update Installer directory:

```
$ cd dvdstfix
```
2. Enter the following command to start the installation program:

```
$ ./install
```

Text such as the following is displayed:

```
$ ./install
DataView 2007 DST Fix Installer 1.0
Started DataView install at Wed Nov 29 15:55:46 EST 2006
Looking for Dataview configuration file (/var/tmp/PvInstall/dvinstall.cfg) ...
Current Dataview Configuration:
  Install directory = /opt/dataview
  Netcool/Proviso Unix user = pvuser
  Netcool/Proviso Unix group = staff
  Home directory = /opt/silverstream
  Port number = 8080
  Administrator username = administrator
Calculating the amount of disk space available for the DataView 2007 DST Fix ... ok
Checking if there is enough disk space to install the DataView 2007 DST Fix ... ok
Installing the DataView 2007 DST Fix ...
  Stopping SilverStream ... ok
  Saving the previous jre directory ... ok
  Installing the new jre ... ok
Starting SilverStream ...
DataView 2007 DST Fix install is complete at Wed Nov 29 15:55:51 EST 2006
Installation log written to /opt/silverstream/log/dvdstinstall.log.2006.11.29-15.55
Exiting install.
```

Reinstallation

Reinstallation is the same as installation, except that the DST Update Installer script will recognize that the DST Update has already been applied. At this point, the script will present two options:

- (r)einstall the fix
- (q)uit

These options are shown in the last line of the following figure:

```
$ ./install
DataView 2007 DST Fix Installer 1.0
Started DataView install at Wed Nov 29 16:56:07 EST 2006
Looking for DataView configuration file (/var/tmp/PvInstall/dvinstall.cfg) ...
Current DataView Configuration:
  Install directory = /opt/dataview
  Netcool/Proviso Unix user = pvuser
  Netcool/Proviso Unix group = staff
  Home directory = /opt/silverstream
  Port number = 8080
  Administrator username = administrator
The DataView 2007 DST Fix has already been applied in /opt/silverstream.
(r)einstall the fix, or (q)uit? [q] r
```

If you choose the option to quit, the update installer ends immediately. If you choose the reinstall option, reinstallation proceeds normally.

Uninstallation

As with installation and reinstallation, the uninstaller reads the DataView configuration file. The location of this file can be changed with the `-f directory` command-line argument, as described in *Introduction* on page 1.

After all prerequisites are met, perform the following steps to uninstall the update:

1. Change the directory to the update installer directory
2. Enter the following command to start the uninstallation program:

```
$ cd dvdstfix
```

```
$ ./uninstall
```

Text such as the following is displayed:

```
$ ./uninstall
DataView 2007 DST Fix Uninstaller 1.0
Started DataView uninstall at Wed Nov 29 17:04:24 EST 2006
Looking for Dataview configuration file (/var/tmp/PvInstall/dvinstall.cfg) ...
Current Dataview Configuration:
  Install directory = /opt/dataview
  Netcool/Proviso Unix user = pvuser
  Netcool/Proviso Unix group = staff
  Home directory = /opt/silverstream
  Port number = 8080
  Administrator username = administrator
Stopping SilverStream ...
  Stopping SilverStream .... ok
  removing the patched jre directory .... ok
  Restoring the original jre directory .... ok
Starting SilverStream ...
DataView 2007 DST Fix uninstall is complete at Wed Nov 29 17:04:24 EST 2006
Installation log written to uninstall.log.2006.11.29-17.04
Exiting install.
```

Troubleshooting

The update installer needs 82Mb of free space on the disk where SilverStream is installed. If this space is not available, the DST Update Installer prints the following error message:

```
ERROR: There is not enough space to install the DataView 2007 DST Fix on
SILVERSTREAM_DIR.
```

```
ERROR: 82000 kilobytes are needed, and only AVAILABLE_SPACE are available!
```

Note: *SILVERSTREAM_DIR* is the directory where SilverStream is installed, and *AVAILABLE_SPACE* is the amount of available free space.