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# OPENSTEP

**Title:** OPENSTEP Time Zone Patch

**Entry Number:** 2463

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**Procedure Valid for Release:** Time Zone Patch

**Keywords:** OPENSTEP, NEXTSTEP, patch, hppa, sparc, intel, m68k, system

## Overview

This README document describes how to install the *TimeZone Patch Update* and describes the fixes contained in the update. This update is to be installed *only* on computers running *NEXTSTEP 3.3*, NEXTSTEP 3.3risc, OPENSTEP 4.0 for Mach,

OPENSTEP 4.0 for NT, OPENSTEP 4.1 for Mach, and OPENSTEP 4.1 for NT.

The 7th European Union Directive on Summer Time specifies that starting in 1996, daylight savings time in the European Union will terminate on the last Sunday in *October* of each year. NeXT current software (including NEXTSTEP, OPENSTEP for Mach, and OPENSTEP for NT) thinks that daylight savings time in the European Union terminates on the last Sunday in *September* of each year.

To guarantee the integrity of the fixes included in this patch, you should only install this software when received from an authorized NeXT representative or a NeXT server. Your existing NeXT Software License Agreement governs the use of this software update.

This patch updates only binary data files containing timezone information. It does not update any executables or scripts or documentation.

**Caution:** You should make sure to back up your files *before* installing this patch update. On Mach, you should back up your **/private/etc/zoneinfo** and **/usr/template/client/etc/zoneinfo** directories. On NT, you should back up your

**\$NEXT\_ROOT/NextLibrary/Foundation.framework/Resources/TimeZoneInfo directory.**

The following files make up the Time Zone Patch:

2463\_TimeZonePatch.readme.rtf

2464\_TimeZonePatch\_Mach.pkg.compressed

2465\_TimeZonePatch\_NT.tar

2466\_gnutar.exe

## **Installing the TIMEZONE Patch Update on Mach**

After copying NeXTanswer 2464\_TimeZonePatch\_Mach.pkg.compressed to your computer's disk, decompress it and follow these instructions to install the *TimeZone Patch Update*

1. Log in as **root**. (If you're not sure how to log in as **root**, see your system administrator.)

2. Make sure your computer is running *NEXTSTEP 3.3*, *NEXTSTEP 3.3risc*, *OPENSTEP 4.0 for Mach*, or *OPENSTEP 4.1 for Mach*. (You can find the version number with the Workspace Manager application's Info Panel command.)

**Warning:** Installing the *TimeZone Patch Update* on a computer that isn't running one of the above releases may result in unexpected problems.

3. Double-click the **TimeZoneUpdate.pkg** file.
4. Click the Install button in the Installer package window. An Install Package panel opens.
5. Click Install in the Install Package panel, and if prompted for confirmation, click OK to proceed.  
The Installer window displays information about the progress of the installation.
6. Log out and restart the computer. You are now finished installing the patch.

**Note:** You may wish to confirm via your Date & Time system preferences in the

/NextApps/Preferences.app that your computer's timezone is set correctly.

## Installing the TIMEZONE Patch Update on NT

After copying NeXTanswer 2465\_TimeZonePatch\_NT.tar to your computer's disk, follow these instructions to install the *TimeZone Patch Update*

1. Log in as **Administrator** onto your OPENSTEP for NT system. (If you're not sure how to log in as **Administrator**, see your system administrator.)
2. Make sure your computer is running *OPENSTEP 4.0 for NT*, or *OPENSTEP 4.1 for NT*. (You can find the version number with the Workspace Manager application's Info Panel command.)

**Warning:** Installing the *TimeZone Patch Update* on a computer that isn't running one of the above releases may result in unexpected problems.

3. Obtain a Bourne Shell prompt. This is located in the OPENSTEP Program Group.
4. Type `cd`  
**`$NEXT_ROOT/NextLibrary/Frameworks/Foundation.framework/Resources/TimeZoneInfo`**. The `$NEXT_ROOT` environment variable refers to the top-level directory where the OPENSTEP software is installed.
5. Type **`$NEXT_ROOT/NextDeveloper/Executables/Utilities/gnutar.exe xvf tzupdate.tar`**. If you do not have a `gnutar.exe` file, please use the one provided along with this patch (see NeXTanswer 2466\_gnutar.exe).
6. If the file  
**`$NEXT_ROOT/NextLibrary/Frameworks/Foundation.framework/Resources/TimeZoneInfo/localtime`** exists, then delete it.
7. Copy the appropriate timezone file to the file name *localtime*. For example, to make the default time zone GB-Eire, type **`cp -p GB-Eire localtime`**. Alternatively, you can add the environment variable `TZFILE` to your environment using the System control panel. The value of the variable should be the path to the appropriate time zone configuration file relative to

\$NEXT\_ROOT/NextLibrary/Frameworks/Foundation.framework/Resources/TimeZoneInfo.  
For example, to set your time zone to be GB-Eire, the value of the TZFile  
environment variable would be "GB-Eire".

8. Log out and restart the computer. You are now finished installing the patch.

## **TIMEZONE PATCH UPDATE Release Notes**

The remainder of this file describes the bug fixes that comprise the *TimeZone Patch Update*.

### **Problems Fixed in This Patch Update**

The following problems have been fixed in this update:

#### **TimeZone Data**

Reference: 67469, 63998

Problem: European timezone information is incorrect for end of summer time (daylight savings time).

Fix: For the affected European timezones, the timezone data now correctly ends summer time on the last Sunday in October, in accordance with the European Union's 7th Directive on Summer Time.

## **See Also:**

2463\_TimeZonePatch.readme.rtf

2464\_TimeZonePatch\_Mach.pkg.compressed

2465\_TimeZonePatch\_NT.tar

2466\_gnutar.exe