

NEC Express5800/320Fa-L(R), 320Fb-L(R) Calendar Correction Patch Installation Guide (Linux)

Introduction

This document will show you how to install the calendar correction patch to your system. Please read this document carefully before you start installation.

Applicable Servers

This document is applicable to the following servers.

- NEC Express320Fa-L [N8800-090F/90AF]
- NEC Express320Fa-LR [N8800-091F/091AF]
- NEC Express320Fb-L [N8800-100F/114F/120F]
- NEC Express320Fb-LR [N8800-101F/115F/121F]

Components

Check the following components of the calendar correction patch.

Item #	Product Name	Specification	Quantity	Remarks
1	NEC Express5800/320Fa-L(R), 320Fb-L(R) Calendar correction patch	-	1	gemini_hasdrtc -1.00.00-7.i687 .rpm
2	NEC Express5800/320Fa-L(R), 320Fb-L(R) Calendar Correction Patch Installation Procedure (Linux)	-	1	This document

Transferring to Third Party

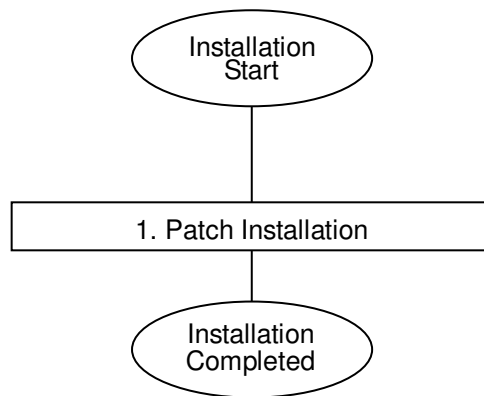
When transferring or selling the NEC Express5800/ft server you purchased to the third party, transfer a set of components of the calendar correction patch.

Notes

- You do not have to restart your system after you installed this patch.
- You need to install this patch with root account.
- **You need to reinstall this patch when you reinstalled OS.**

Calendar Correction Patch Installation Procedure

The following diagram is showing the procedure to install the calendar correction patch (hereinafter referred to as the patch) to your system.



1. Patch Installation

Please install the patch by following the procedure below.

Note: You need to install the patch with root account.

- 1) Download the patch file **gemini_hasdrtc-1.00.00-7.i686.rpm** to an arbitrary folder.
- 2) Open a terminal and change your working directory to where you downloaded the patch file. Then execute a following command.

```
rpm -ivh gemini_hasdrtc-1.00.00-7.i686.rpm
```

- 3) Execute the following command from the terminal.

```
rpm -q gemini_hasdrtc
```

- 4) If the patch is installed properly, you'll see the following version.

```
gemini_hasdrtc-1.00.00-7
```

Now the installation is completed.

2. How to check patch status

Once you've installed the patch, one of the installed scripts will automatically check patch status both (1) at system startup and (2) at 0 A.M. on every Sunday. And the result will be logged in '/var/log/message' file.

A. When the patch is working properly

A following message will be logged.

```
hasdrtc: RTC Adjuster works normaly.
```

B. When the patch is not working properly

A following message will be logged.

```
hasdrtc: Configuration of RTC Adjuster is incorrect.
```

In this case, please refer to “**3. Trouble shooting**” and repair your system and patch configuration.

Note: If neither of messages above is logged at system startup or at 0 A.M. on every Sunday, it is likely that the patch is not installed and/or configured properly. In this case, please reinstall the patch by executing a command 'rpm -U --force gemini_hasdrtc-1.00.00-7.i686.rpm' from a terminal. If this did not fix the issue, please consult with your system administrator.

3. Trouble shooting

When you see a message `hasdrtc: Configuration of RTC Adjuster is incorrect.` in the file `/var/log/message`, one of messages described in the followings should also have been logged. Please check `/var/log/message` on your system and take actions described below.

[Message 1]

`hasdrtc: DELAY_REBOOT is too short.`

[Issue]

`'DELAY_REBOOT'` parameter in `/etc/hasdrtc.conf` is not configured properly.

[How to resolve]

1. Delete `/etc/hasdrtc.conf`
2. Execute `'rpm -U --force gemini_hasdrtc-1.00.00-7.i686.rpm'` from a terminal. This will reinstall the patch and `/etc/hasdrtc.conf` is regenerated with `'DELAY_REBOOT'` parameter set properly.

[Message 2]

`hasdrtc: crond does not work.`

[Issue]

The patch will not work properly since `'crond'` is not enabled.

[How to resolve]

1. Start `'crond'` by executing a command `'/sbin/service crond start'` from a terminal.

[Message 3]

`hasdrtc: crond is not started automatically.`

[Issue]

Your system is not configured to start `'crond'` automatically at system startup. Therefore the patch will not work properly.

[How to resolve]

1. Configure your system to start `'crond'` automatically at system startup by executing a command `'/sbin/chkconfig --level 35 crond on'` from a terminal.

[Message 4]

hasdrtc: correctrtc.cron is wrong.

[Issue]

The file `'/etc/cron.d/correctrtc.cron'` is not correct.

[How to resolve]

1. Execute a command `'rpm -U --force gemini_hasdrtc-1.00.00-7.i686.rpm'` from a terminal. This will reinstall the patch to your system and `'/etc/cron.d/correctrtc.cron'` will be regenerated.

[Message 5]

hasdrtc: The package of gemini_hasdrtc is modified.

[Issue]

At least one of the patch files was modified or deleted after the patch had been installed.

[How to resolve]

1. Execute a command `'rpm -U --force gemini_hasdrtc-1.00.00-7.i686.rpm'` from a terminal. This will reinstall the patch to your system.