



Hewlett-Packard

3000 Waterview Parkway
Richardson, TX 75080 USA
August 1998

Patch Name: PHSS_15882
Patch Description: s800 10.01 SPP-UX 5.3 Standard Components Library Y2K Patch
Creation Date: 98/07/07
Post Date: 98/07/08
Hardware Platforms: OS Releases: s800: 10.01
Products: HP-Exemplar B5630-10002 C++ HPCPLUSPLUS 11.0.1
Filesets: C-Plus-Plus.HPCXX,11.0.1.1
Automatic Reboot?: No
Status: General Release
Critical: No
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Status: General Release
Critical: No
Symptoms: PHSS_15882:

1. The member functions Place::spring_ahead and Place::fall_back incorrectly calculate the day of daylight savings time changes in 2001 and later for the US. It has the following Monday.

Defect Description: PHSS_15882:
1. The Standard Components Time algorithm failed because 2000 was assumed to not be a leap year. It had Y/100 correction but was missing Y/400.

SR: 0000000000
Patch Files: /opt/CC/lib/lib++.a
/opt/CC/lib/eh/lib++.a

what(1) Output: /opt/CC/lib/lib++.a: HP-Exemplar B5630-10002 C++ HPCPLUSPLUS 11.0.2.1
/opt/CC/lib/eh/lib++.a: HP-Exemplar B5630-10002 C++ HPCPLUSPLUS 11.0.2.1

cksum(1) Output: 3401478034 566616 /opt/CC/lib/lib++.a
896322865 994372 /opt/CC/lib/eh/lib++.a

Patch Conflicts: None
Patch Dependencies: None
Hardware Dependencies: 9000/735/99
Other Dependencies: None
Supersedes: None
Equivalent Patches: None
Patch Package Size: 1580 KBytes

HP part number: B5630-96005

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Installation Instructions:

Please review all instructions and the Hewlett-Packard SupportLine User Guide or your Hewlett-Packard support terms and conditions for precautions, scope of license, restrictions, and, limitation of liability and warranties, before installing this patch.

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1. Back up your system before installing a patch.
 2. Login as root.
 3. Copy the patch to the /tmp directory.
 4. Move to the /tmp directory and unshar the patch:

```
cd /tmp
sh PHSS_15882
```

- 5a. For a standalone system, run swinstall to install the patch:

```
swinstall -x autoreboot=true -x match_target=true -s /tmp/PHSS_15882.depot
```

- 5b. For a homogeneous NFS Diskless cluster run swcluster on the server to install the patch on the server and the clients:

```
swcluster -i -b
```

This will invoke swcluster in the interactive mode and force all clients to be shut down.

WARNING: All cluster clients must be shut down prior to the patch installation. Installing the patch while the clients are booted is unsupported and can lead to serious problems.

The swcluster command will invoke an swinstall session in which you must specify:

```
alternate root path - default is /export/shared_root/OS_700
source depot path  - /tmp/PHSS_15882.depot
```

To complete the installation, select the patch by choosing "Actions -> Match What Target Has" and then "Actions -> Install" from the Menubar.

- 5c. For a heterogeneous NFS Diskless cluster:

- run swinstall on the server as in step 5a to install the patch on the cluster server.
- run swcluster on the server as in step 5b to install the patch on the cluster clients.

By default swinstall will archive the original software in /var/adm/sw/patch/PHSS_15882. If you do not wish to retain a copy of the original software, you can create an empty file named /var/adm/sw/patch/PATCH_NOSAVE.

Warning: If this file exists when a patch is installed, the patch cannot be deinstalled. Please be careful when using this feature.

It is recommended that you move the PHSS_15882.text file to /var/adm/sw/patch for future reference. To put this patch on a magnetic tape and install from the tape drive, use the command:

```
dd if=/tmp/PHSS_15882.depot of=/dev/rmt/0m bs=2k
```

Special Installation Instructions: None

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