

Downgrading to IRIX® 6.4 on OCTANE™, Onyx2™, Origin200™, and Origin2000™ Systems

The following CDs have been included in this package:

- IRIX 6.4 for Origin, Onyx2, and OCTANE
- IRIX 6.4 Applications
- Recommended Patches for IRIX 6.4

To perform the downgrade, refer to the *IRIX Admin: Software Installation and Licensing* manual. If you don't have a printed copy, you can find it online in the Technical Publications Library, at the following location:
<http://techpubs.sgi.com/library/>

Follow these instructions:

1. If the system is not brand new and you have important data on the disk, perform a full system backup, using the method you normally use for backups.
2. Load the miniroot using the appropriate Recommended Patches for IRIX 6.4 CD-ROM. See *IRIX Admin: Software Installation and Licensing* for detailed instructions on loading the miniroot.

Note: A miniroot installation is an installation method that relies on services in the system's programmable read-only memory (PROM) to transfer special installation tools from the CD (or distribution directory) to the system disk. It requires that you shut down the system and boot from a CD or distribution directory.

You see a message similar to the following as the miniroot is starting up, before it actually starts Inst:

```
Current system date is date
Mounting file systems:
/dev/dsk/dks0d1s0: Invalid argument
Unable to mount partition: /dev/dsk/dks0d1s0 on
/root.
This is your system disk: without it we have
nothing on which to install software.
Please manually correct your configuration and try
again.
Press Enter to invoke C Shell csh:
```

3. When you see the above message, press **Enter**, and then enter the following command, using the disk device name given in the error message (unless you have special local configurations). For example, if the name in the error message is dks0d1s0, enter:

```
# mkfs /dev/dsk/dks0d1s0
```

This gives you output similar to the following:

```
meta-data= /dev/dsk/dks0d1s0 isize=256
agcount=8,  agsize=61425 blks
data = bsize=4096  blocks=491395, imaxpct=25
log = internal log  bsize=4096  blocks=1000
realtime = none extsz=65536 blocks=0, rtextents=0
```

4. Enter **exit** to continue the miniroot installation.

```
# exit
```

Text similar to the following appears:

```
Creating miniroot devices, please wait
Current system date is date
Mounting file systems:
/dev/miniroot          on          /
/dev/dsk/dks0d1s0     on          /root
Invoking software installation.
Default distribution to install from: /CDROM/dist
```

5. When the Inst prompt appears, eject the Recommended Patches for IRIX 6.4 CD-ROM, load the IRIX 6.4 for Origin, Onyx2, and OCTANE CD-ROM, and enter **from /CDROM/dist**:

```
% su
# inst
Inst> from /CDROM/dist
```

When prompted for another distribution, enter **done**, then **install default**, then **go**:

```
Install software from: [/CDROM/dist] done
Inst> install default
Inst> go
```

6. Load the IRIX 6.4. Applications CD and enter **from /CDROM/dist**, then enter **install default**, then **go**:

```
Inst> from /CDROM/dist
Inst> install default
Inst> go
```

7. When Inst indicates the installation is finished, enter **quit**. Postinstallation processes begin. When they are complete you see:

```
Ready to restart the system. Restart?
Enter y to restart.
```

8. Install any non-IRIX patches and required software. (You can use either `Inst` or Software Manager—to open Software Manager choose `System > Software Manager` from the Toolchest.) Make sure you have the IRIX 6.4 versions of the patches or software.
9. Install required patches from the appropriate Recommended Patches for IRIX 6.4 CD. Insert the CD and install as follows:

```
Inst> from /CDROM/dist
Inst> install installable
Inst> keep same
Inst> go
```

When installation is complete, enter `quit` to exit `Inst`.

10. Restore any user files, modified system files, or other files you need from the backup created in step 1.