



# Linux Information Update

## Avoiding Irrecoverable Processor Errors During X Window Startup

Dell has determined that using the X Window System on your system can result in an irrecoverable processor error (IERR) and system halt. Dell is working with the Linux community and Linux vendors to resolve this issue.

To avoid possible IERRs during X Window System startup, perform the following steps:

- 1 Edit the XFree86 configuration file `/etc/X11/XF86Config` and search for "ServerFlags".
  - If the ServerFlags section *does not exist*, add the following lines to the configuration file:

```
Section "ServerFlags"
    Option "PciOsConfig" "1"
EndSection
```
  - If the ServerFlags section *does exist*, add the following line to that section:

```
Option "PciOsConfig" "1"
```
- 2 Search for "Device" and, within the Device section, add the following option line:

```
Option "NoINT10"
```

These changes prevent a race condition with the kernel when the X Window System accesses the PCI Configuration registers.

## Issue Running the X Window System on the Dell PowerEdge 6800 and 6850

Due to the increased number of available PCI devices on the Dell™ PowerEdge™ 6800 and 6850, the X Window system may not start successfully with the default settings chosen by the Red Hat® installer. To resolve this issue, either change the Driver setting in `/etc/X11/XF86Config` from `radeon` to `vesa`, or update XFree86 to 4.3.0-69 or later through the Red Hat Network.

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