

# Procedure to install a Raptor GFX video card on a Sun Ultra-5/10 workstation (51-series D-style) at I/A v6.4

## 1. Mount the v6.4 Day 0 CD-ROM

```
# mount -o ro /dev/dsk/c0t2d0s0 /cdrom
```

## 2. Copy driver files

```
# mkdir /opt/gxp32
# cp /cdrom/targ_plfm/PGX32.Z /opt/pgx32
# cd /
# umount /cdrom
```

## 3. Decompress the file

```
# cd /opt/pgx32
# uncompress PGX32.Z
# cd /
# tar xvf /opt/pgx31/PGX32
```

## 4. Modify the original installation script to run on the hard disk. Change `"/mnt_root"` to `"/"` as follows:

```
# cd /tmp
# sed '/mnt_root/d' instpgx > instpgx.new
# more instpgx.new

:

chmod 644 /kernel/drv/raptor
chmod 644 /kernel/drv/gfxp

cp /usr/openwin/server/etc/OWconfig /etc/openwin/server/etc
cat /etc/openwin/server/etc/OWconfig.gfx >> /etc/openwin/server/etc/OWconfig

chmod 755 /usr/openwin/server/modules/ddxTSIgfx.so.1

chmod 755 /etc/dt/config/Xservers.gfx
chmod 444 /etc/openwin/server/etc/OWconfig.gfx
chmod 755 /opt/share/man/man1/GFXconfig.1m
chmod 755 /usr/openwin/bin/gfxres
chmod 644 /usr/openwin/lib/X11/xdm/Xservers
chmod 755 /usr/openwin/server/etc/RES.DAT
chmod 755 /usr/openwin/server/etc/TSIScreenConfig
chmod 755 /usr/openwin/server/etc/TSIScreenConfig.example
chmod 644 /usr/openwin/server/etc/gfxres.help
chmod 755 /usr/sbin/GFXconfig
chmod 644 /etc/driver_aliases
chmod 644 /etc/minor_perm
chmod 644 /etc/name_to_major
add_drv -b / -m' * 0666 root sys' -i' "TECH-SOURCE, gfxp" "TSI, gfxp"' /kernel/drv/gfxp
add_drv -b / -m' * 0666 root sys' -i' "TECH-SOURCE, raptor" "TSI, raptor"' /kernel/drv/raptor
```

## 5. Run the modified installation script

```
# chmod 755 instpgx.new
# ./instpgx.new
```

6. Install the “RAPTOR GFX” software written in B0400PT in the section titled ***PGX Video PCI Card***

```
# mount -F hsfs -o ro /dev/dsk/c0t2d0s0 /cdrom
# cd /cdrom
# ./install_all
```

Answer ‘yes’ to questions about installing the two packages on the CD: **tsigfxow** and **tsigfxdrv**

```
# cd /
# umount /cdrom
```

7. Reboot station: shut down the station, enter the proper password and then “halt”

```
ok boot -r
```

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