Nvidia Graphics

Nvidia provides Solaris x86-64/x86 packages of their proprietary driver for different families of graphic adapters.

One or more drivers may be installed from `oi-userland` using components located in the directory `components/openindiana`.

The list of currently supported and legacy drivers is updated on the Unix Drivers page.

<table>
<thead>
<tr>
<th>Series</th>
<th>Label</th>
<th>Models</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>396.xx</td>
<td>Current</td>
<td>GeForce 400 to GeForce GTX 10</td>
<td>Driver 396.24</td>
</tr>
<tr>
<td>340.xx</td>
<td>Legacy GPU</td>
<td>GeForce 8 to GeForce 700 series</td>
<td>Driver 340.106 ; Delivers libvdpau as part of the package.</td>
</tr>
<tr>
<td>304.xx</td>
<td>Legacy GPU</td>
<td>GeForce 6 to GeForce 600 series</td>
<td>Driver 304.137</td>
</tr>
</tbody>
</table>

Drivers series highlighted in orange are currently part of `oi-userland`, others may be installed manually following Nvidia’s instructions.

Note on new driver installations:

```
$ pfexec beadm list
$ pfexec beadm create oi-nvidia
$ pfexec beadm mount oi-nvidia /mnt
$ pfexec pkg -R /mnt uninstall -r driver/graphics/nvidia
$ pfexec /bin/sh NVIDIA-Solaris-x86-390.48.run --extract-only
$ cd NVIDIA-Solaris-x86-390.48
$ pfexec pkgadd -R /mnt -d . NVDAgraphics NVDAgraphicsr
$ pfexec bootadm update-archive -R /mnt
$ pfexec beadm unmount -f oi-nvidia
$ pfexec beadm activate oi-nvidia
$ pfexec reboot -p
```

Need guide how to revert back to OI Nvidia drivers. I have tried and it has failed:

```
; pfexec pkgrm NVDAgraphics NVDAgraphicsr
; pfexec touch /reconfigure
; pfexec init 6
; pfexec pkg install -v driver/graphics/nvidia x11/server/xorg/driver/xorg-video-nv
```

```
deriver (nvidia) install failed with return code -11
```
After that, X server is not starting... What would be proper solution?

<table>
<thead>
<tr>
<th>command run was:</th>
<th>/usr/sbin/add_drv -u -i &quot;pci10de,191&quot; &quot;pci10de,193&quot; &quot;pci10de,194&quot; &quot;pci10de,197&quot; &quot;pci10de,19d&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>command output was:</td>
<td><em>---</em></td>
</tr>
</tbody>
</table>