

# Software Management: How do I enable a graphical (X11) login after installation?

## Why Is The SLES Graphical Console Disabled After Installation?

After the Bright head node installation for SLES, the Graphical console option is disabled. This is because it requires a manual X configuration with the sax2 utility for certain hardware, and does not work out of the box for all hardware.

## Installing And Enabling the SLES Graphical Console After Installation

However, it is still possible to install and enable, for example, the Gnome Graphical desktop environment after the installation of a Bright head node, using the following recipe:

### For Head Node

1. Install Gnome X packages

```
% yast -i
```

Filter based on 'Patterns'. This will provide a list of group install packages. Select Gnome

2. Edit /etc/inittab and change default runlevel to 5.

```
id:5:initdefault:
```

3. Edit /etc/sysconfig/displaymanager

```
DISPLAYMANAGER="gdm"
```

4. Run sax2 (this is a graphical utility)

Make sure your screens, mouse, keyboard, etc are detected. Save the configuration and quit the utility

5. Reboot

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## For Compute Nodes

Assuming that the software image for your nodes is `/cm/images/default-image`

```
mount -o bind /proc /cm/images/default-image/proc
```

```
mount -o bind /sys /cm/images/default-image/sys
```

```
chroot /cm/images/default-image
```

Repeat Steps 1 to 5 above.

## Disable NetworkManager

NetworkManager must be disabled to prevent interference with the network management provided by the cluster manager.

On SLES11, [it can be disabled using YAST](#).

On Red Hat 6 and derivatives, disabling can be done like:

```
[root@bright70 ~]# service NetworkManager status
NetworkManager (pid 1527) is running...
[root@bright70 ~]# chkconfig NetworkManager off
[root@bright70 ~]# service NetworkManager stop
```

On Red Hat 7 and derivatives:

```
[root@bright70 ~]# systemctl status NetworkManager.service
[root@bright70 ~]# systemctl disable NetworkManager.service
Unique solution ID: #1089
Author: Johnny
Last update: 2014-12-29 14:02
```