

Pantsdown issue solution

### CentOS/RHEL 6.x completed solution with workaround

Boot with ISO image from IPMI or DVD-ROM with disc. Press “TAB” key in below screen.



Key in “nomodeset blacklist=ast xdriver=vesa brokenmodules=ast” for loading the driver and force without VGA rendering



## Pantsdown issue solution

If you have NVMe drive and you are going to deploy this OS into NVMe drive, you will have to change OPRM to EFI base.

(these may be formatted). Please also indicate which system drive will have the bootloader installed.

Data Storage Devices (to be mounted only)			
Model	Capacity	Vendor	Identifier
ATA CT1000MX500SSD1	953869 MB		pci-0000:00:1f.2-scsi-1:0:0:
Unknown	488386 MB	NVMe	pci-0000:81:00.0

Install Target Devices			
Boot Loader	Model	Capacity	Identifier
<input checked="" type="radio"/>	ATA CT1000MX500SSD1	953869 MB	pci-0000:00

**Formatting**  
Creating ext4 filesystem on /dev/mapper/VolGroup-lv\_home

**Tip:** Install target devices will be reformatted and wiped of any data. Make sure you have backups.

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## Complete OS installation



CentOS 6  
Community ENTERprise Operating System

Packages completed: 5 of 1466

**Installing iso-codes-3.16-2.el6.noarch (10 MB)**  
ISO code lists and translations

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## Pantsdown issue solution

Boot into OS for 1<sup>st</sup> initializing. Get into boot parameter and type “nomodeset” for booting.

- Press “e” to get into kernel for editing boot command

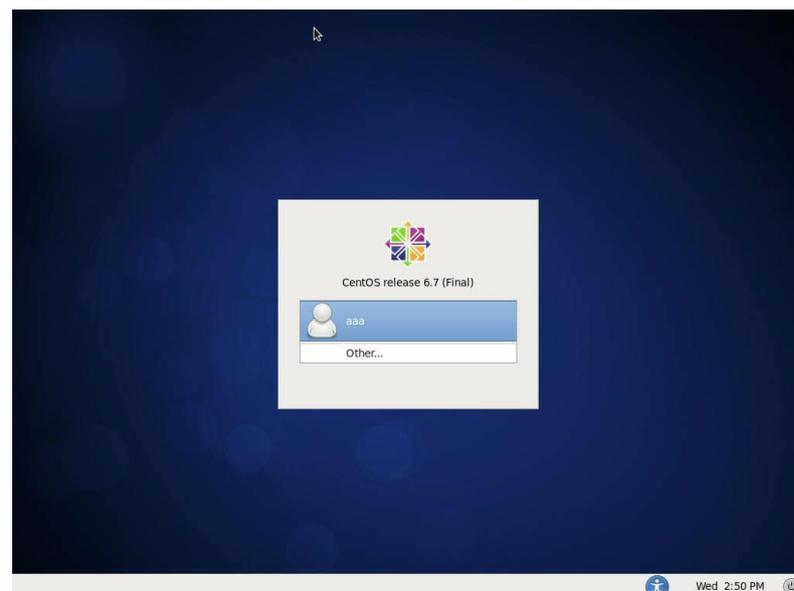
```
GNU GRUB version 0.97 (615K lower / 1982184K upper memory)

root (hd0,0)
kernel /vmlinuz-2.6.32-573.el6.x86_64 ro root=/dev/mapper/Vo1Group-lv-
initrd /initramfs-2.6.32-573.el6.x86_64.img

Use the ↑ and ↓ keys to select which entry is highlighted.
Press 'b' to boot, 'e' to edit the selected command in the
boot sequence, 'c' for a command-line, 'o' to open a new line
after ('O' for before) the selected line, 'd' to remove the
selected line, or escape to go back to the main menu.
```

- Type “nomodeset” in the end of grub command
- Press “ESC” and then press “b” to boot

You should be able to see the login screen

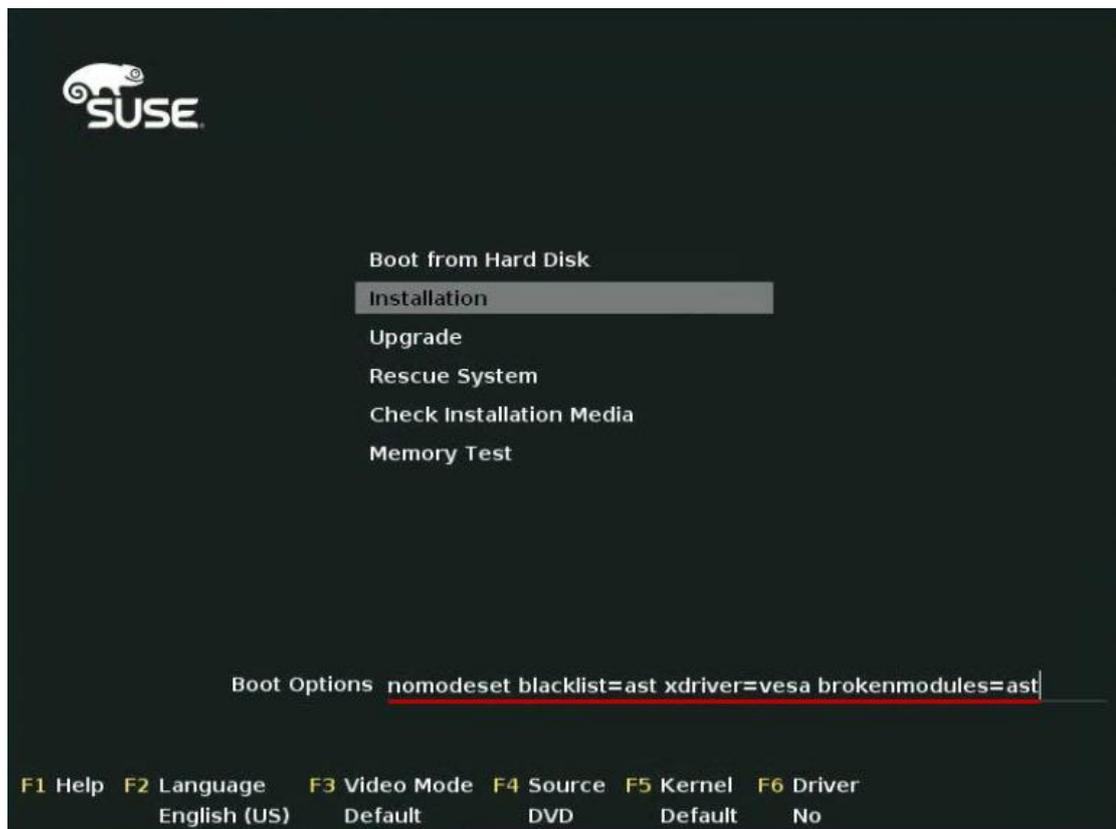


Then, you will be required to complete AST driver update to patch the problem.

## Pantsdown issue solution

### Suse 12.1 completed solution with workaround

1. Install OS and complete OS installation.



Switch to terminal with combination key CTRL + ALT + F9. Please note the driver required X-Windows to install with. If user selects “driver load to yes”, it’s not able to load the driver with auto\_update script.

```
./auto-upd.sh: line 13: cut: command not found
The architecture is x86
./auto-upd.sh: line 23: logsave: command not found
Can't find proper X Window Version, Please update driver manually!!
```

Patch the driver in the terminal

```
tty9:(none):/ # mount /dev/sr1 /tmp/iso/
mount: /dev/sr1 is write-protected, mounting read-only
tty9:(none):/ # cd /tmp/iso/freedos/packages/
tty9:(none):/tmp/iso/freedos/packages # cp -rf lxdrv/ ~
tty9:(none):/tmp/iso/freedos/packages # sync
tty9:(none):/tmp/iso/freedos/packages # cd ~
tty9:(none):/ # cd lxdrv/
tty9:(none):/lxdrv # ./auto-upd.sh
The architecture is x86_64
X Window is Xorg 7.8
ASPEED Graphics Family Linux XORG 7.8 driver update begin ....
cp: cannot create regular file 'usr/lib64/xorg/modules/drivers/ast_drv.la': Read-only file system
cp: cannot create regular file 'usr/lib64/xorg/modules/drivers/ast_drv.so': Read-only file system
ASPEED Graphics Family Linux XORG 7.8 driver update finished
tty9:(none):/lxdrv # _
```

For achieved OS, such as SLES 11 SP4 or SLES 12 SP1, downloading the driver from [https://www.supermicro.com/support/faqs/img\\_lib/30162.zip](https://www.supermicro.com/support/faqs/img_lib/30162.zip)

## Pantsdown issue solution

Unzip file and run auto\_upd.sh for patching the driver.

```
#unzip 30162.zip
```

```
#cd lxdrv
```

```
#!/auto-upd.sh
```

```
linux-ph8i:~/lxdrv # ./auto-upd.sh
The architecture is x86_64
X Window is Xorg 7.8
ASPEED Graphics Family Linux XORG 7.8 driver update begin ....
ASPEED Graphics Family Linux XORG 7.8 driver update finished
linux-ph8i:~/lxdrv #
```

## Complete OS installation

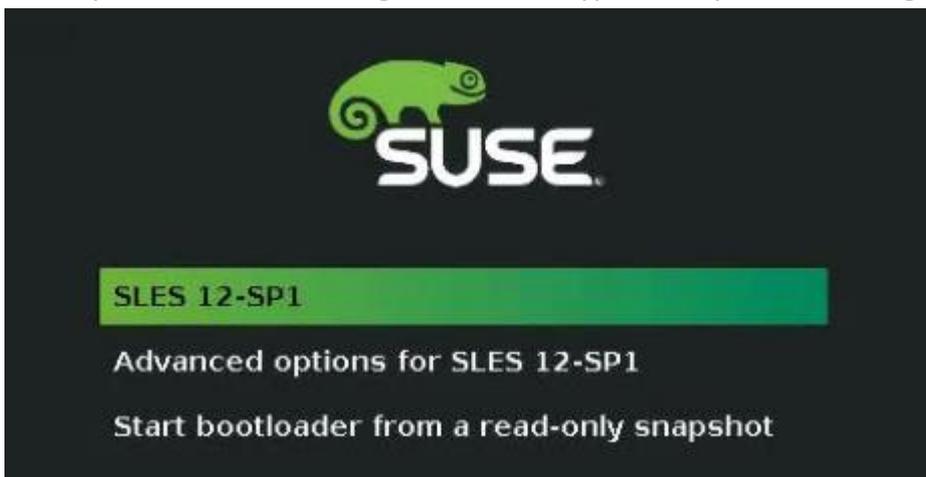
Performing Installation

Media	Remaining	Packages	Time
<b>Total</b>	<b>2.478 GiB</b>	<b>1556</b>	
SLES12-SP1-12.1-0			
Medium 1	2.478 GiB	1556	

Actions performed:

- Installing glibc-1.8n-data-2.19-31.9.noarch.rpm (installed size 10.83 MiB)
- Installing gnome-user-docs-3.10.3-1.5.noarch.rpm (installed size 3.31 MiB)
- Installing hicolor-icon-theme-0.13-1.15.noarch.rpm (installed size 50.5 KiB)
- Installing info2html-2.0-216.38.noarch.rpm (installed size 38.3 KiB)
- Installing insserv-compat-0.1-11.80.noarch.rpm (installed size 8.2 KiB)
- Installing iso-codes-3.51-1.7.noarch.rpm (installed size 1.54 MiB)
- Installing latex2html-pngicons-2012-1.347.noarch.rpm (installed size 7.5 KiB)
- Installing libX11-data-1.6.2-4.12.noarch.rpm (installed size 1.56 MiB)
- Installing libnl-config-3.2.23-2.21.noarch.rpm (installed size 2.6 KiB)
- Installing man-pages-4.02-3.15.noarch.rpm (installed size 3.70 MiB)
- Installing man-pages-posix-2003a-30.188.noarch.rpm (installed size 2.20 MiB)
- Installing metatheme-adwaita-common-3.10.0-1.75.noarch.rpm (installed size 3.17 MiB)
- Installing pam-doc-1.1.8-14.1.noarch.rpm (installed size 1.21 MiB)
- Installing poppler-data-0.4.6-6.17.noarch.rpm (installed size 11.45 MiB)
- Installing sles-admin\_en-pdf-12.1-4.3.noarch.rpm (installed size 5.44 MiB)

- When you are the 1<sup>st</sup> time login the server, type “e” key in the booting screen.



Enter the advanced mode with command “single” placed in the end of linux line

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```
else
    search --no-floppy --fs-uuid --set=root 047076a7-2ac5-4e60-876\
f-75a9d8559766
fi
echo          'Loading Linux 3.12.49-11-default ...'
linux         /boot/vmlinuz-3.12.49-11-default root=UUID=047076a7\
-2ac5-4e60-876f-75a9d8559766 ${extra_cmdline} nomodeset blacklist=ast x\
driver=vesa resume=/dev/disk/by-uuid/75b24c5b-4782-4ede-aaef-2b91cbcf3d3\
7 splash=silent quiet showopts crashkernel=102M,high crashkernel=72M,low\
single
echo          'Loading initial ramdisk ...'
initrd        /boot/initrd-3.12.49-11-default
```

Press “Ctrl + x” to continue booting. You will need to enter the administrator password to get access.

```
Type "journalctl -xb" to view system logs. Type "systemctl reboot" to reboot.
Give root password for maintenance
(or press Control-D to continue): _
```

3. Run command to disable services  
# systemctl disable systemd-readahead-collect.service  
# systemctl disable systemd-readahead-drop.service  
# systemctl disable systemd-readahead-replay.service

Then, reboot the server

```
linux-ca9o:~ # systemctl disable systemd-readahead-collect.service
linux-ca9o:~ # systemctl disable systemd-readahead-replay.service
linux-ca9o:~ # reboot
```

4. Now, you should be able to log in server with GUI interface and no need to use parameter for adding in the grub.

