

Some UBUNTU Linux Shell Scripts and Pointers used in TangerineTech DNA/DMA/VIBOX Customizations

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SHELL SCRIPT 1: Stop the machine when network connection is not available for more than 300 sec.

```
#!/bin/bash
while true; do
sleep 150
if (ping -qc 7 insert machine to ping || ping -qc 7 insert machine to ping)
then
echo "OK"
else
sleep 150
if !(ping -qc 7 insert machine to ping || ping -qc 7 insert machine to ping)
then
echo "no connection"
insert shutdown command (ie: halt)
else
echo "OK"
fi
fi
done
```

SHELL SCRIPT 2: Stop the machine when a file on a disk volume is not available.

```
#!/bin/bash
while true; do
sleep 60
if test -e /media/insert media to check (ie: sda1)/insert filename to check (ie:file.txt)
then
echo "OK"
```

```
else
echo "KO"
insert shutdown command (ie: halt)
fi
done
```

SHELL SCRIPT 3: Run Openoffice Presentation when the machine starts.

```
#!/bin/bash
mount /dev/insert media to mount (ie:cdrom)
sleep 5
openoffice -show -norestore /media/insert media to check (ie:
cdrom)/insert filename to open (ie:presentation.odp)
```

SHELL SCRIPT 4: If a USB drive named 'switch' is available, start VLC, else start XBMC.

```
#!/bin/bash
if test -e /media/switch
then
umount /media/switch
vlc --qt-start-minimized
else
xbmc
fi
```

SHELL SCRIPT 5: Mount as root (**WARNING WARNING WARNING! TESTING OR EMBEDDED ONLY! SECURITY HAZARD!) a disk labeled 'store' on the directory 'test' of the user 'user'.**

```
#!/bin/bash
echo (password) | sudo -S mount (mount options) /dev/disk/by-label/store /home/user/test
```

SHELL SCRIPT 6: If the disk 'backup' is present copy the contents of the 'test' directory of the 'user' user to it, then umount it. Check

every 10 seconds.

```
#!/bin/bash
while true; do
sleep 10
if test -e /media/backup/
then
cp -r /home/user/test/* /media/backup/
echo "OK"
umount /media/backup
else
echo "KO"
fi
done
```

SHELL SCRIPT 7: Start NVIDIA accelerated drivers on a Live CD.

Before mastering the CD insert in the **rc.local** file of the master system this command:

```
nvidia-xconfig
```

NVIDIA drivers must be installed on the master system.

SOME WEB POINTERS

<http://www.tangerinotech.net>

<http://www.littlesvr.ca/isomaster/>

<http://www.len.ro/2008/12/remastering-ubuntu/>

<http://www.ubuntu.com/>

<http://www.geekconnection.org/remastersys/remastersystool.html>

<http://unetbootin.sourceforge.net/>

<http://www.pendrivelinux.com/ubuntu-remove-the-prompt-to-eject-cd>

Notes:

-Be sure to ping machines you have permission to.

-For some pointers on allowing a non-root user to shutdown a system using console, please see this Archlinux document:

http://wiki.archlinux.org/index.php/Allow_users_to_shutdown.

-Mount directories may vary.

-Web links may become outdated.