

Linux Administration

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Boot

Boot

Grub

Setting the default runlevel in Ubuntu 16.04

Mapping between runlevels and systemd targets

Runlevel / Target

0: poweroff.target
1: rescue.target
2, 3, 4: multi-user.target
5: graphical.target
6: reboot.target

To change runlevel:

```
sudo systemctl isolate multi-user.target
```

To set the default runlevel:

```
sudo systemctl enable multi-user.target  
sudo systemctl set-default multi-user.target
```

Adding Operating Systems to Linux grub bootloader

Open a new terminal

Execute the following commands:

```
sudo os-prober #this will search for the OSs  
sudo update-grub #this will update your grub bootloader
```

Bibliography

<https://askubuntu.com/questions/788323/change-runlevel-on-16-04>

http://www.hypexr.org/linux_scp_help.php

File management

Scp file copy examples

Copy the file "foobar.txt" from a remote host to the local host

```
$ scp your_username@remotehost.edu:foobar.txt /some/local/directory
```

Copy the file "foobar.txt" from the local host to a remote host

```
$ scp foobar.txt your_username@remotehost.edu:/some/remote/directory
```

Services

Enabling ssh on Ubuntu

```
sudo apt-get install openssh-server  
sudo service ssh status
```

Removing the CD / DVD install as a source for apt-get

```
sudo nano /etc/apt/sources.list
```

#comment cdrom line

```
sudo apt-get update
```

Scripting

Colours on terminal

```
<?php
/*
Black 0;30
Blue 0;34
Green 0;32
Cyan 0;36
Red 0;31
Purple 0;35
Brown 0;33
Light Gray 0;37
Dark Gray 1;30
Light Blue 1;34
Light Green 1;32
Light Cyan 1;36
Light Red 1;31
Light Purple 1;35
Yellow 1;33
White 1;37
*/
```

```
<?php
echo "\033[31m some colored text \033[0m some white text \n";
echo "\033[32m some colored text \033[0m some white text \n";
```

<http://blog.lenss.nl/2012/05/adding-colors-to-php-cli-script-output/>