

Managing GRUB2



Andrew Mallett

LINUX AUTHOR AND TRAINER

@theurbanpenguin web.theurbanpenguin.com



Exam Objectives

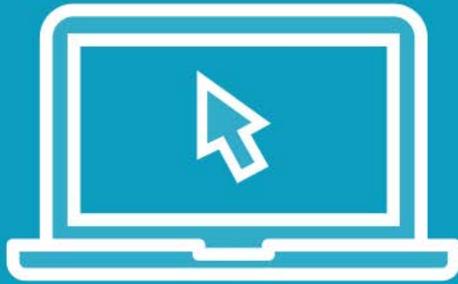


Install, configure and troubleshoot the bootloader

Change kernel runtime parameters, persistent and non-persistent



Demo



Reinstall GRUB2

Manage GRUB2 defaults

Manage GRUB2 with grubby

Password protecting GRUB2

Custom GRUB2 entries



Reinstall GRUB2



Manage GRUB2 Defaults



Manage GRUB2 with grubby



Password Protecting GRUB2



Custom GRUB2 Entries



GRUB2



```
grub2-install /dev/sda
```

```
/etc/default/grub
```

```
grub2-mkconfig -o /boot/grub/grub.cfg
```



```
# grubby --default-kernel
# grubby --set-default /boot/vmlinuz...
# grubby --info=ALL
# grubby --info /boot/vmlinuz...
# grubby --remove-args "rhgd" --update-kernel /boot/vmlinuz
```

Making Persistent Changes with grubby



```
# vi /etc/grub.d/01_users
#!/bin/sh -e
cat << EOF
    set superusers="andrew"
    password andrew L1nux
EOF
```

GRUB2 Passwords



Custom Entries

```
# menuentry 'CentOS Custom' {  
    insmod gzio  
    insmod part_msdos  
    insmod xfs  
  
    set root='hd0,msdos1'  
  
    linux16 /vmlinuz-3.10.0-327.3.1.el7.x86_64  
    initrd16 /initramfs-3.10.0-327.3.1.el7.x86_64.img  
}
```



Next Up: Managing Linux Processes

