

Protect GRUB with Password in RHEL 9



GRand Unified Bootloader(GRUB)

GRUB is the default bootloader for all linux and Unix like Operating Systems.

It was first invented by Sir Erich Stefan Boleyn on year 1995. GRUB is used to load the kernel and then kernel loads the Operating System, In short GRUB is the Module which is used to start the Operating System.

Anyone can login into single user mode and may change system setting as needed. This is the big security flow.

So, to prevent such unauthorized person to access system we may required to have protected with GRUB password.

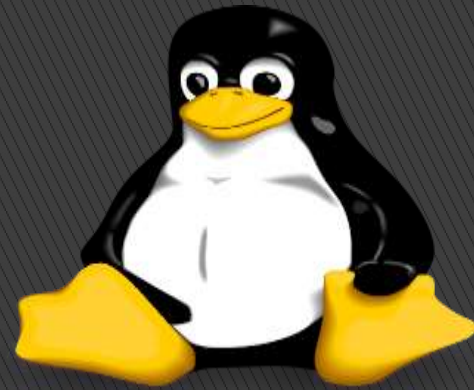


Steps For Protect GRUB with password

Step : 1 Generate Encrypted Password

```
#grub2-mkpasswd-pbkdf2
```

Enter password, which you want to set to grub and copy Generated Encrypted Password.



Step:2 Set the password in GRUB main configuration file

```
#vim /etc/grub2.cfg
```

Go to the under section

```
### BEGIN /etc/grub.d/10_linux ###
```

```
Add 102 no line set superusers=root
```

```
Add 103 no line export superusers
```

```
Add 104 no line password_pbkdf2 root <encrypted password>
```

```
:wq
```

Step 3: Reboot Computer and try to reset root password

```
#reboot
```

Press “**Esc**” key and press “**e**” for edit kernel line

