**Create a password using the grub2-mkpasswd-pbkdf2 command:**

->

grub2-mkpasswd-pbkdf2

[root@centos7 grub.d]# grub2-mkpasswd-pbkdf2

Enter password:

Reenter password:

PBKDF2 hash of your password is grub.pbkdf2.sha512.10000.440B11FE0ECAC09C69B18DD358758957HHIUH5EFC1F772E4D0F0F9E1005908EB2DDAECDA8D5975EBD594A89EF60697128C2631515992365958CDD61E3C3896E53.8789479587HFD79A57D46205EE9F4419B921598B8C05C593F12JOIJIO9271825279BBCD0C67AF810B961C91A8C8EB5D65127D3D3515292C6172F8E64

**Add the Encrypted Password to the Custom Configuration File**

Make a copy of the text after your password is, we could add this directly in the main configuration file grub.cfg, but it is recommended not to edit directly so we put it into the /etc/grub.d/40\_custom file it is good practice to make a backup copy of the file in case.

Then we can add that password into the /etc/grub.d/40\_custom file:

cp /etc/grub.d/40\_custom /etc/grub.d/40\_custom.backup

vi /etc/grub.d/40\_custom   # Edit the GRUB Custom Menu

!/bin/sh

exec tail -n +3 $0

This file provides an easy way to add custom menu entries.  Simply type the

menu entries you want to add after this comment.  Be careful not to change

the ‘exec tail’ line above.

set superusers=”root”

password\_pbkdf2 root grub.pbkdf2.sha512.10000.440B11FE0ECAC09C69B18DD358758957HHIUH5EFC1F772E4D0F0F9E1005908EB2DDAECDA8D5975EBD594A89EF60697128C2631515992365958CDD61E3C3896E53.8789479587HFD79A57D46205EE9F4419B921598B8C05C593F12JOIJIO9271825279BBCD0C67AF810B961C91A8C8EB5D65127D3D3515292C6172F8E64

## Update the grub.cfg File

Now we have added a new line into the grub file we need to refresh the grub.cfg file by using grub2-mkconfig command, and it is good practise to make a backup of grub.cfg file in case.

An then run the grub2-mkconfig to update grub.cfg file:

cp /boot/grub2/grub.cfg /boot/grub2/grub.cfg.backup

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

We can confirm our password has been added into the GRUB2 Bootloader by cating the grub.cfg file:

cat /boot/grub2/grub.cfg

BEGIN /etc/grub.d/40\_custom ###

This file provides an easy way to add custom menu entries.  Simply type the

menu entries you want to add after this comment.  Be careful not to change

the ‘exec tail’ line above.

set superusers=”root”

password\_pbkdf2 root grub.pbkdf2.sha512.10000.2F74BCD26B934CCD43446688BCB4D365862C8BD24461AC04D711F0403993D7571D056788565FAECCEE29B77141F070039A73F9C956DE532F98F93E819C4E842D.67ED723C2F6C4DAF8D42F26942228F678437E8F8569132C93439DF15C855FDBDA742226486

END /etc/grub.d/40\_custom ###

## Testing the password

## reboot