

Change grub parameters

1. Timeout = 20

```
GRUB_TIMEOUT=20
GRUB_DISTRIBUTOR="$(sed 's, release .*$,,g' /etc/system-release)"
GRUB_DEFAULT=saved
GRUB_DISABLE_SUBMENU=true
GRUB_TERMINAL_OUTPUT="console"
GRUB_CMDLINE_LINUX="spectre_v2=retpoline rd.lvm.lv=centos/root rd.lvm.lv=centos/sw
ap rhgb quiet"
GRUB_DISABLE_RECOVERY="true"
~
~
~
~
~
~
~
~
~
~
```

```
[root@server ~]# vim /etc/default/grub
[root@server ~]# grub2-mkconfig -o /boot/grub2/grub.cfg
Generating grub configuration file ...
Found linux image: /boot/vmlinuz-3.10.0-1160.el7.x86_64
Found initrd image: /boot/initramfs-3.10.0-1160.el7.x86_64.img
Found linux image: /boot/vmlinuz-0-rescue-7d21589b1f354b33ab4715ccc5db4a5d
Found initrd image: /boot/initramfs-0-rescue-7d21589b1f354b33ab4715ccc5db4a5d.img
done
[root@server ~]# grep GRUB_TIMEOUT /boot/grub2/grub.cfg
[root@server ~]#
```

```
Use the ↑ and ↓ keys to change the selection.
Press 'e' to edit the selected item, or 'c' for a command prompt.
The selected entry will be started automatically in 18s.
```

2. Default entry to be rescue mode

```
[root@server ~]# grub2-set-default
anaconda-ks.cfg      .bashrc             .rnd                ufdbGuard-1.35.8/   .viminfo
.bash_history        .cshrc              .targetcli/         ufdbguard.html
.bash_logout         .mysql_history      .tcshrc             ufdbguard.html.1
.bash_profile        .pki/               tmprequest          ufdbGuard-latest.tar.gz
[root@server ~]# grub2-set-default 1
[root@server ~]# grub2-editenv list
saved_entry=1
[root@server ~]# reboot
```

```
CentOS Linux (3.10.0-1160.el7.x86_64) 7 (Core)
```

```
CentOS Linux (0-rescue-7d21589b1f354b33ab4715ccc5db4a5d) 7 (Core)
```

3. Set grub password

```
[root@server ~]# grub2-mkpasswd-pbkdf2
Enter password:
Reenter password:
PBKDF2 hash of your password is grub.pbkdf2.sha512.10000.DBD8264C55050C232DBAA283F8FFAACCAA5652ABE3E275558DBBD9F2B419478B33EB9
5587233299594997408BC404F54C4C4407612C26AC0734D1590F8FE13EA.EC6997FBF059F77A5A4D4C1F19EBF0C1D82D7C1F32A37BD3D2392A5ED38F7CD4B4
4A3EEECBDE30BFDE369C2333D1C251557CDFACF2895DDF2F75861F37F4AE42
[root@server ~]# vi /etc/grub.d/40_custom
[root@server ~]# grub2-mkconfig -o /boot/grub2/grub.cfg
Generating grub configuration file ...
Found linux image: /boot/vmlinuz-3.10.0-1160.el7.x86_64
Found initrd image: /boot/initramfs-3.10.0-1160.el7.x86_64.img
Found linux image: /boot/vmlinuz-0-rescue-7d21589b1f354b33ab4715ccc5db4a5d
Found initrd image: /boot/initramfs-0-rescue-7d21589b1f354b33ab4715ccc5db4a5d.img
/etc/grub.d/40_custom: line 2: password_pbkdf2: command not found
done
[root@server ~]#
```

4. Remove grub password

```
[root@server ~]# vi /etc/grub.d/40_custom
[root@server ~]# grub2-mkconfig -o /boot/grub2/grub.cfg
Generating grub configuration file ...
Found linux image: /boot/vmlinuz-3.10.0-1160.el7.x86_64
Found initrd image: /boot/initramfs-3.10.0-1160.el7.x86_64.img
Found linux image: /boot/vmlinuz-0-rescue-7d21589b1f354b33ab4715ccc5db4a5d
Found initrd image: /boot/initramfs-0-rescue-7d21589b1f354b33ab4715ccc5db4a5d.img
done
[root@server ~]#
```

5. Reset root password

```
fi
linux16 /vmlinuz-3.10.0-1160.el7.x86_64 root=/dev/mapper/centos-root r\
o spectre_v2=retpoline rd.lvm.lv=centos/root rd.lvm.lv=centos/swap rhgb quiet \
rd.break_
initrd16 /initramfs-3.10.0-1160.el7.x86_64.img
```

```
[ 2.912891] sd 0:0:0:0: [sda] Assuming drive cache: write through
[ 2.915168] sd 0:0:1:0: [sdb] Assuming drive cache: write through
```

Generating "/run/initramfs/rdsosreport.txt"

Entering emergency mode. Exit the shell to continue.
Type "journalctl" to view system logs.
You might want to save "/run/initramfs/rdsosreport.txt" to a USB stick or /boot
after mounting them and attach it to a bug report.

```
switch_root:/# mount -o remount,rw /sysroot/
switch_root:/# chroot /sysroot/
sh-4.2# passwd
Changing password for user root.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
Sorry, passwords do not match.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
sh-4.2# touch /.autorelabel
sh-4.2# exit
exit
switch_root:/# _
```