**Change the Default Kernel Version Permanently on RHEL7**

When there are multiple kernels installed on RHEL6/RHEL7, GRUB/GRUB2 boot loader chooses and loads one of them as the default kernel during boot time.

In Rhel6 we can edit /boot/grub/grub.conf in text editor and modify the default kernel from available list. Here is diff way in RHEL7

List all available kernel images added to GRUB2 by running the following command.

# grep "menuentry" /boot/grub2/grub.cfg

if [ x"${feature\_menuentry\_id}" = xy ]; then

menuentry\_id\_option="--id"

menuentry\_id\_option=""

export menuentry\_id\_option

menuentry 'CentOS Linux (3.10.0-514.21.1.el7.x86\_64) 7 (Core)' --class centos --class gnu-linux --class gnu --class os --unrestricted $menuentry\_id\_option 'gnulinux-3.10.0-514.21.1.el7.x86\_64-advanced-e7b7948b-1210-4cc8-b3b7-b38708a7b549' {

menuentry 'CentOS Linux (3.10.0-123.el7.x86\_64) 7 (Core)' --class centos --class gnu-linux --class gnu --class os --unrestricted $menuentry\_id\_option 'gnulinux-3.10.0-123.el7.x86\_64-advanced-e7b7948b-1210-4cc8-b3b7-b38708a7b549' {

menuentry 'CentOS Linux (0-rescue-12e1f493fb784569a5663b9c61ed7af0) 7 (Core)' --class centos --class gnu-linux --class gnu --class os --unrestricted $menuentry\_id\_option 'gnulinux-0-rescue-12e1f493fb784569a5663b9c61ed7af0-advanced-e7b7948b-1210-4cc8-b3b7-b38708a7b549' {

Open /etc/default/grub with a text editor, and set GRUB\_DEFAULT to the numeric entry value for the kernel you chose as the default. For example I choose here “3.10.0-123.el7.x86\_64”

GRUB\_DEFAULT=1

**Then recreate/update the grub.cfg with below command**

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

Generating grub configuration file ...

Found linux image: /boot/vmlinuz-3.10.0-514.21.1.el7.x86\_64

Found initrd image: /boot/initramfs-3.10.0-514.21.1.el7.x86\_64.img

Found linux image: /boot/vmlinuz-3.10.0-123.el7.x86\_64

Found initrd image: /boot/initramfs-3.10.0-123.el7.x86\_64.img

Found linux image: /boot/vmlinuz-0-rescue-12e1f493fb784569a5663b9c61ed7af0

Found initrd image: /boot/initramfs-0-rescue-12e1f493fb784569a5663b9c61ed7af0.img

Done

**Reboot and confirm that the specified kernel is selected by GRUB2 by default.**