Runlevel

0 =====> halt(shutdown)

1 ====> single usermode

2 ====> multi user mode with out Network service

3 ====> command line mode

4 ====> not used

5 ====> graphical mode

6 ====> reboot

init is the command used to change the run level

init 0 ===> halt shut down the server

init 6 ----> rebooting server

To change runlevel from 3 to 5(command to graphical ) Temperorily with out rebooting

command: init 5

To check which runlevel who are logged in

command: who -r

[root@praveentechnoligies Desktop]# who -r

run-level 5 2022-02-14 00:38 last=3

[root@praveentechnoligies Desktop]#

or

runlevel

t@praveentechnoligies Desktop]# runlevel

3 5

[root@praveentechnoligies Desktop]#

Suppose if we want the rulevel 3 permanently when ever system boots then below is the configuration file we need to change

cat /etc/inittab

# inittab is only used by upstart for the default runlevel.

#

# ADDING OTHER CONFIGURATION HERE WILL HAVE NO EFFECT ON YOUR SYSTEM.

#

# System initialization is started by /etc/init/rcS.conf

#

# Individual runlevels are started by /etc/init/rc.conf

#

# Ctrl-Alt-Delete is handled by /etc/init/control-alt-delete.conf

#

# Terminal gettys are handled by /etc/init/tty.conf and /etc/init/serial.conf,

# with configuration in /etc/sysconfig/init.

#

# For information on how to write upstart event handlers, or how

# upstart works, see init(5), init(8), and initctl(8).

#

# Default runlevel. The runlevels used are:

# 0 - halt (Do NOT set initdefault to this)

# 1 - Single user mode

# 2 - Multiuser, without NFS (The same as 3, if you do not have networking)

# 3 - Full multiuser mode

# 4 - unused

# 5 - X11

# 6 - reboot (Do NOT set initdefault to this)

#

id:3:initdefault: (====> here we can see runlevel changed to 3 so every time when server boots its go to command line)

[root@praveentechnoligies ~]#

How to login single user mode(maintanence mode)

Actions which we are taking if its damages the server then we need to trouble shoot the issues in single user mode

steps: reboot

when we see "press any key continue" string press "space"

select redhat

select line vmlinuz press "e"

add the string "single" in the end of line

press b

now you will be in single usermode

Once server in single user mode server wont be in production.

scenario if yu have forgotten root password

after logging into single usermode below re steps

passwd -d <root>

passwd [after this comand it will prompts new passowrd]

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/boot =====> Contains all imp files/ directories required for booting of the server. if any files deleted under /boot server will not come up

oot@praveentechnoligies ~]# cd /boot/

[root@praveentechnoligies boot]# ls -ltr

total 25948

-rwxr-xr-x. 1 root root 3986992 Jun 13 2012 vmlinuz-2.6.32-279.el6.x86\_64

-rw-r--r--. 1 root root 2341856 Jun 13 2012 System.map-2.6.32-279.el6.x86\_64

-rw-r--r--. 1 root root 101820 Jun 13 2012 config-2.6.32-279.el6.x86\_64

-rw-r--r--. 1 root root 179157 Jun 13 2012 symvers-2.6.32-279.el6.x86\_64.gz

drwxr-xr-x. 2 root root 1024 Jul 14 2021 grub

drwx------. 2 root root 12288 Jul 14 2021 lost+found

drwxr-xr-x. 3 root root 1024 Jul 14 2021 efi

-rw-------. 1 root root 3712039 Jul 14 2021 initrd-2.6.32-279.el6.x86\_64kdu

Nextclass

Useradministration