What is system cpu is Full ?

Check process which consumed cpu and kill it.

1. $ ps -aux or $ top
2. $ kill pid

What is system enter emergency mode ?

Check system log using

a ) $ journalctl

b) $ tail -f /var/log/rsyslog

What is differences between dmesg , journald, rsyslog

dmseg -----🡪 disaply message for hardware devices and their devices during system boot and during system running.

rsyslog ----🡪 centralized logging system used. For receiving processing, filtering logs based on severity ,content and send logs to remote server.

Receive logs from applications,processes,services.

Configuration for rsyslog on /etc/rsyslog.d or /etc/rsyslog.conf.

To view live logs of system --🡪 $ tail -f /var/log/rsyslog

rsyslog ----🡪 started as separate process on system boot

Journalctl --🡪 utility used for querying and displaying messages from system-journal

Journald ---🡪 provided by system.

Journald running before rsyslog.

$ journalctl -------🡪 view full logs of system

$ journalctl -u service\_name ------🡪 view logs of specific service

$ journalctl --since “data” --until “date” ---🡪 get logs during specific period.

What is differences between sudo -i, su root , su - ,su ,

sudo -I -------🡪 new shell is opened and user is switched to be root, but you must know password of user currently running this command.

su root ------🡪 new shell is opened for root user but need password of root.

sudo ------🡪 super user do

su ------🡪 switch user

{ su - }--------------🡪 switch to root user with login shell and /etc/profile , .profile , .bashrc will be executed.

{ su } -----------🡪 switch to root user with shell but not login shell and .bashrc will be executed.

/etc/profile ------🡪 system configuration file for shell

What is root file system is full / ?

1. Clear logs
2. Extend lvm
3. Archiving big directories
4. Compress large files

Differences between /tmp && /var/tmp ?

Both /tmp and /var/tmp used as temporary storage in linux.

Differences isd retention data period.

/tmp -------🡪 data kept for 10 dayes. If there is temporary content are cleared after reboot.

/var/tmp ---------🡪 data kept for 30 days.

If we need to modify theses retention period on on configuration file on /usr/lib/tmpfiles.d/tmp.conf.

A screen shot of a computer

Description automatically generated

D ,q ------🡪 setting age for file

d ------🡪 create directory if not exists

nmcli

https://ioflood.com/blog/nmcli-linux-command/