

(36)

Topic:- Scheduling Jobs via Cron Job and at in Unix/Linux!

\$ man cron

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\$ PS -eaf | grep cron
(crond)

Note:- Crond process must be up and running in order to run cron jobs & Crontab.allow

\$ ls -al /etc/c

\$ ls -al /etc/crontab

Note:- Cron job is available for every user (by default) to disable user from running cron job we can use /etc/cron.deny (as a root user).

\$ crontab -l

(To get existing crontab for existing user)

\$ crontab -e

(for editing a crontab job)

Format:-

#	Minute	Hour	Day of month	Month	Day of week	Command
#	(0-59)	(0-23)	(1-31)	(1-12 or Jan-Dec)	(0-6 or sun-sat)	
	0	2	12		0,6	/usr/bin/find

Example:-

0 0,12 1 */2 * /sbin/ping -c 192.168.0.1; ls -la >> /var/log/crontab

Note- A Cronjob consists of five stars

i.e

*	*	*	*	*
minute	Hour	Day of month	Month	Day of week

Format:-

* * * * * /sbin/ping -c 1 192.168.0.1 > /dev/null

Practical:-

\$ vi size.sh && -h >> /home/test1/size.log

\$ chmod 755 size.sh

\$ sh size.sh ← To check output

\$ vi size.log

Note- make sure your shell script is working correctly.

\$ date

\$ crontab -e

17 12 * * * ~~home~~ /home/test1/size.sh

!wa.

crontab: installing new crontab ✓

\$ date

\$ crontab -l

\$ date

\$ cat size.log

(Two outputs)
we can see!

Note:- When Size.log file generated it means it has succeeded.

\$ cat Size.log

→ To take the backup of the Cronjob,

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\$ crontab -l

\$ crontab -l > Cron-back

\$ cat Cron-back..

→ To start the Cronjob from the backup file.

\$ vi Cron-back

20 13 * * * /home/teer2/Size.sh

\$ crontab -l

\$ cat Cron-back

\$ crontab Cron-back

\$ crontab -l

← To start the Cronjob manually (Updating) after modify.

⇒ at Tool:- (To run a command)

\$ at

\$ date

\$ at 12:32 Fri Jan 11

\$ at 12:32 Jan 11

at> date

at> ^D

(L) (D) not

\$ date

\$ at 12:32 Jan 12

at> shutdown

at> <EOT>

Ctrl+D ..

Note:- If as ^a root user we can execute above command
it will shutdown the system or
shutdown → (reboot)

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⇒ To delete a cron job -

\$ jobs

\$ crontab -e

(and delete entry from file)

!wa

The cron job will be deleted.