

MANAGING INSTALLED SERVICES

- ➔ Services are programs (called daemons) that once started run continuously in the background and are ready for input or monitor changes in your computer and respond to them. For example the Apache server has a daemon called httpd (the d is for daemon) that listens on port 80 on your computer and when it receives a request for a page it sends the appropriate data back to the client machine.

chkconfig and service commands:

There are 2 commands used to control services:

- ➔ **service** - This controls the starting and stopping of services during a session, these settings are not saved. If you start Apache this way but it is not set to start on boot using the above method then it will continue to run but on next boot will not start automatically.
- ➔ **chkconfig** - This controls which services are set to start on boot, by their nature these settings are saved and are applied at next boot. Changing these settings will not start the service immediately; it will just flag them to be started from the next boot.

The command use for maintaining a service is

#service <name of the service> status -- To check the status of the service

#service <name of the service> start -- To start the service

#service <name of the service> stop -- To stop a service

#service <name of the service> reload -- To reload the service

#service <name of the service> restart -- To restart the service

The command use for service availability is:

#chkconfig -list To check the availability of service

#chkconfig <service> on To make the service available after restart

#chkconfig <service> off To make the service unavailable after restart

Check the status of ftp service "vsftpd"

 root@master-server:/media/RHEL_6.1 x86_64 Disc 1/Packages

```
[root@master-server Packages]# service vsftpd status
vsftpd is stopped
[root@master-server Packages]#
```

➔ To start the ftp service, the command is

root@master-server:/media/RHEL_6.1 x86_64 Disc 1/Packages

```
[root@master-server Packages]# service vsftpd start
Starting vsftpd for vsftpd: [ OK ]
[root@master-server Packages]# service vsftpd status
vsftpd (pid 2443) is running...
[root@master-server Packages]#
```

Check the status of the all service availability.

To check the status of all service availability, use

```
[root@master-server Packages]#
[root@master-server Packages]# chkconfig --list
NetworkManager 0:off 1:off 2:on 3:on 4:on 5:on 6:off
abrt 0:off 1:off 2:off 3:on 4:off 5:on 6:off
acpid 0:off 1:off 2:on 3:on 4:on 5:on 6:off
atd 0:off 1:off 2:off 3:on 4:on 5:on 6:off
auditd 0:off 1:off 2:on 3:on 4:on 5:on 6:off
autofs 0:off 1:off 2:off 3:on 4:on 5:on 6:off
avahi-daemon 0:off 1:off 2:off 3:on 4:on 5:on 6:off
bluetooth 0:off 1:off 2:off 3:on 4:on 5:on 6:off
certmonger 0:off 1:off 2:off 3:off 4:off 5:off 6:off
```

Make the service availability on for vsftpd.

To make the service availability on for vsftpd service,

#chkconfig vsftpd on

root@master-server:/media/RHEL_6.1 x86_64 Disc 1/Packages

```
[root@master-server Packages]# chkconfig vsftpd on
[root@master-server Packages]# chkconfig --list vsftpd
vsftpd 0:off 1:off 2:on 3:on 4:on 5:on 6:off
[root@master-server Packages]#
```