

Ganpat University
(2CSE204) Basics of Operating System and Shell Scripting

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Sem - 2

Branch: CS

Class: B

Batch: 25

Practical-11

Using RPM, perform the following tasks:

1. List the configurations files related to openssh-clients and openssh-server
Command - rpm -qc openssh-clients , rpm -qc openssh-server

```
File Edit View Search Terminal Help
[sentinel@thunderbolt ~]$ rpm -qc openssh-clients
/etc/ssh/ssh_config
/etc/ssh/ssh_config.d/05-redhat.conf
[sentinel@thunderbolt ~]$ rpm -qc openssh-server
/etc/pam.d/sshd
/etc/ssh/sshd_config
/etc/sysconfig/sshd
[sentinel@thunderbolt ~]$ _
```

2. List all the information related to gedit package.
Command – rpm -qi gedit

```
[sentinel@thunderbolt ~]$ rpm -qi gedit
Name      : gedit
Epoch    : 2
Version   : 3.28.1
Release   : 3.el8
Architecture: x86_64
Install Date: Mon 29 Jan 2024 02:53:00 PM EST
Group     : Unspecified
Size      : 14596119
License   : GPLv2+ and GFDL
Signature : RSA/SHA256, Mon 01 Jul 2019 05:41:03 PM EDT, Key ID 05b555b38483c65d
Source RPM : gedit-3.28.1-3.el8.src.rpm
Build Date : Tue 14 May 2019 06:10:39 PM EDT
Build Host : x86-02.mbox.centos.org
Relocations : (not relocatable)
Packager   : CentOS Buildsys <bugs@centos.org>
Vendor     : CentOS
URL        : https://wiki.gnome.org/Apps/Gedit
Summary    : Text editor for the GNOME desktop
Description :
gedit is a small, but powerful text editor designed specifically for
the GNOME desktop. It has most standard text editor functions and fully
supports international text in Unicode. Advanced features include syntax
highlighting and automatic indentation of source code, printing and editing
of multiple documents in one window.

gedit is extensible through a plugin system, which currently includes
support for spell checking, comparing files, viewing CVS ChangeLogs, and
adjusting indentation levels. Further plugins can be found in the
gedit-plugins package.
[sentinel@thunderbolt ~]$ s
```

- List all the packages installed on your system.

Command - rpm -qa

```
[sentinel@thunderbolt ~]$ rpm -qa
flatpak-session-helper-1.10.7-1.el8.x86_64
boost-chrono-1.66.0-13.el8.x86_64
gnome-session-wayland-session-3.28.1-19.el8.x86_64
parted-3.2-39.el8.x86_64
cyrus-sasl-plain-2.1.27-6.el8_5.x86_64
gnu-free-fonts-common-20120503-18.el8.0.1.noarch
qpdf-libs-7.1.1-10.el8.x86_64
libXxf86misc-1.0.4-1.el8.x86_64
gvfs-fuse-1.36.2-14.el8.x86_64
selinux-policy-3.14.3-117.el8.noarch
nano-2.9.8-1.el8.x86_64
mozilla-filestream-1.9-19.el8.x86_64
totem-pl-parser-3.26.1-2.el8.x86_64
libnl3-cli-3.7.0-1.el8.x86_64
libreport-gtk-2.9.5-15.el8.x86_64
iproute-5.18.0-1.el8.x86_64
google-noto-sans-lisu-fonts-20161022-7.el8.1.noarch
dnf-data-4.7.0-15.el8.noarch
kmod-kvdo-6.2.8.7-90.el8.x86_64
```

Using yum, perform the following tasks:

- Install Apache server in your system and verify whether it is installed correctly or not.

Command – sudo yum install httpd ,

```
[sentinel@thunderbolt ~]$ sudo yum install httpd
CentOS Stream 8 - AppStream          9.4 kB/s | 4.4 kB      00:00
CentOS Stream 8 - AppStream          4.7 MB/s | 28 MB      00:05
CentOS Stream 8 - BaseOS             8.5 kB/s | 3.9 kB      00:00
CentOS Stream 8 - BaseOS             2.3 MB/s | 10 MB      00:04
CentOS Stream 8 - Extras              6.6 kB/s | 2.9 kB      00:00
CentOS Stream 8 - Extras common packages 4.4 kB/s | 3.0 kB      00:00
CentOS Stream 8 - Extras common packages 14 kB/s | 7.7 kB      00:00
Dependencies resolved.

=====
Package                        Architecture      Version                                Repository      Size
=====
Installing:
httpd                          x86_64            2.4.37-64.module_el8+965+1ad5c49d     appstream      1.6 M
Installing dependencies:
apr                            x86_64            1.6.3-12.el8                          appstream      129 k
apr-util                       x86_64            1.6.1-9.el8                           appstream      106 k
centos-logos-httpd            noarch            85.8-2.el8                            appstream       75 k
httpd-filestream               noarch            2.4.37-64.module_el8+965+1ad5c49d     appstream       44 k
httpd-tools                    x86_64            2.4.37-64.module_el8+965+1ad5c49d     appstream      112 k
mod_http2                      x86_64            1.15.7-10.module_el8+1009+c203647a    appstream      156 k
Installing weak dependencies:
apr-util-bdb                   x86_64            1.6.1-9.el8                          appstream       25 k
apr-util-openssl               x86_64            1.6.1-9.el8                          appstream       27 k
Enabling module streams:
httpd                           2.4

Transaction Summary
=====
Install 9 Packages
Total download size: 2.2 M
Installed size: 5.6 M
```

Command – sudo systemctl start httpd , sudo systemctl status httpd

```
[sentinel@thunderbolt ~]$ systemctl start httpd
[sentinel@thunderbolt ~]$ systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor preset: disabled)
   Active: active (running) since Wed 2024-04-24 01:10:39 EDT; 24s ago
     Docs: man:httpd.service(8)
  Main PID: 39071 (httpd)
    Status: "Running, listening on: port 80"
     Tasks: 213 (limit: 48685)
    Memory: 29.8M
   CGroup: /system.slice/httpd.service
           └─39071 /usr/sbin/httpd -DFOREGROUND
             └─39120 /usr/sbin/httpd -DFOREGROUND
               └─39121 /usr/sbin/httpd -DFOREGROUND
                 └─39122 /usr/sbin/httpd -DFOREGROUND
                   └─39123 /usr/sbin/httpd -DFOREGROUND

Apr 24 01:10:24 thunderbolt systemd[1]: Starting The Apache HTTP Server...
Apr 24 01:10:39 thunderbolt httpd[39071]: AH00558: httpd: Could not reliably determine the server's fully qualified domain name,
Apr 24 01:10:39 thunderbolt systemd[1]: Started The Apache HTTP Server.
Apr 24 01:10:49 thunderbolt httpd[39071]: Server configured, listening on: port 80
lines 1-19/19 (END)
```

5. Create a directory with **your_name** at appropriate location and access the same from localhost.

```
[sentinel@thunderbolt ~]$ sudo mkdir /var/www/html/jaimin_gondaliya
[sudo] password for sentinel:
[sentinel@thunderbolt ~]$ cd /var/www/html/jaimin_gondaliya
[sentinel@thunderbolt jaimin_gondaliya]$ ls
[sentinel@thunderbolt jaimin_gondaliya]$ nano jaimin.html
[sentinel@thunderbolt jaimin_gondaliya]$ 
[sentinel@thunderbolt jaimin_gondaliya]$ ls
[sentinel@thunderbolt jaimin_gondaliya]$ sudo nano jaimin_gondaliya
[sentinel@thunderbolt jaimin_gondaliya]$ _
```

127.0.0.1/jaimin_gondaliya/ x +

← → 127.0.0.1/jaimin_gondaliya/jaimin_gondaliya ☆

Centos Wiki Documentation Forums

jaimin_gondaliya

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