

Lesson 2 Demo 1

Execute Basic Linux Commands

Objective: To execute the basic Linux commands.

Tools required: Ubuntu, Terminal

Pre-requisites: None

Steps to be followed:

1. Executing basic Linux commands.

Step 1: Executing basic Linux commands

- 1.1 List the files or folders present in the current directory.

ls

```
@ip-172-31-64-6:~$ ls
Desktop  thinclient_drives
```

- 1.2 Create a new directory in the current folder, and check if the folder is created.

mkdir New_Folder

ls

```
@ip-172-31-64-6:~$ mkdir New_Folder
@ip-172-31-64-6:~$ ls
Desktop  New_Folder  thinclient_drives
```

- 1.3 Navigate to the **New_Folder** directory by changing the current directory.

cd New_Folder

```
@ip-172-31-64-6:~$ cd New_Folder
@ip-172-31-64-6:~/New_Folder$
```

1.4 Write some text in a demo file, and display the content of the file

echo "This is a demo file" > demo.txt

cat demo.txt

```
@ip-172-31-64-6:~/New_Folder$ echo "This is a demo file" > demo.txt
@ip-172-31-64-6:~/New_Folder$ cat demo.txt
This is a demo file
@ip-172-31-64-6:~/New_Folder$
```

1.5 Change the mode of the *demo.txt* file to read only

chmod -r demo.txt

```
@ip-172-31-64-6:~/New_Folder$ chmod -r demo.txt
@ip-172-31-64-6:~/New_Folder$
```

1.6 Remove the *demo.txt* file from the folder, and list the files in the folder

rm demo.txt

```
@ip-172-31-64-6:~/New_Folder$ rm demo.txt
@ip-172-31-64-6:~/New_Folder$ ls
@ip-172-31-64-6:~/New_Folder$
```

1.7 Change the current user as a super/root user

sudo su

```
@ip-172-31-64-6:~$ sudo su
root@ip-172-31-64-6:/home/username#
```

1.8 Install git using the *apt-get* package manager

apt-get install git

```
root@ip-172-31-64-6:/home/elastic@ip-172-31-64-6:~$ apt-get install git
Reading package lists... Done
Building dependency tree
Reading state information... Done
git is already the newest version (1:2.7.4-0ubuntu1.10).
The following packages were automatically installed and are no longer required:
  linux-aws-headers-4.4.0-1118 linux-headers-4.4.0-1118-aws linux-image-4.4.0-1118-aws
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 46 not upgraded.
root@ip-172-31-64-6:/home/elastic@ip-172-31-64-6:~$
```

1.9 List all the previously used commands

history

```
elastic@ip-172-31-64-6:~$ history
1  ls
2  mkdir New_Folder
3  ls
4  sudo su
5  clear
6  ls
7  cd New_Folder
8  cat demo.txt
9  echo "This is a demo file" > demo.txt
10 cat demo.txt
11 chmod help
12 chmod --help
13 chmod r- demo.txt
14 chmod r demo.txt
15 chmod -r demo.txt
16 clear
17 rm demo.txt
18 ls
19 clear
20 sudo su
```

1.10 Clear the Terminal screen.

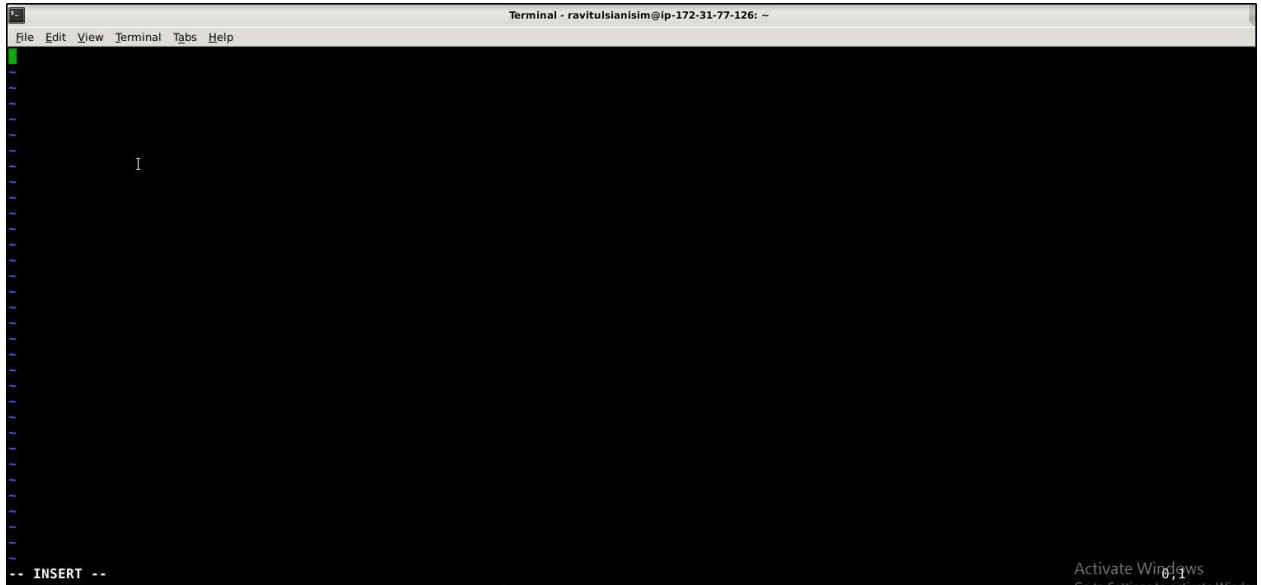
clear

```
elastic@ip-172-31-64-6:~$
```

1.11 Creating a file using vi.

vi <filename>.<extension>

```
ravitulsianisim@ip-172-31-77-126:~$ vi test.txt
ravitulsianisim@ip-172-31-77-126:~$
```



1.12 Changing file permissions.

chmod <permission code> <filename>.<extension>

For ex: *chmod 777 test.txt*

```
ravitulsianisim@ip-172-31-77-126:~$ chmod 777 test.txt
ravitulsianisim@ip-172-31-77-126:~$
```

1.13 Unzipping a file.

tar -xf <filename>.tar.gz

```
ravitulsianisim@ip-172-31-77-126:~$ wget https://github.com/NagiosEnterprises/nagioscore/archive/nagios-4.4.6.tar.gz
--2021-05-04 08:10:24-- https://github.com/NagiosEnterprises/nagioscore/archive/nagios-4.4.6.tar.gz
Resolving github.com (github.com)... 140.82.112.3
Connecting to github.com (github.com)[140.82.112.3]:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://codeload.github.com/NagiosEnterprises/nagioscore/tar.gz/nagios-4.4.6 [following]
--2021-05-04 08:10:24-- https://codeload.github.com/NagiosEnterprises/nagioscore/tar.gz/nagios-4.4.6
Resolving codeload.github.com (codeload.github.com)... 140.82.114.9
Connecting to codeload.github.com (codeload.github.com)[140.82.114.9]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [application/x-gzip]
Saving to: 'nagios-4.4.6.tar.gz'

nagios-4.4.6.tar.gz           [ <=> ] 10.81M 17.1MB/s in 0.6s

2021-05-04 08:10:24 (17.1 MB/s) - 'nagios-4.4.6.tar.gz' saved [11333431]

ravitulsianisim@ip-172-31-77-126:~$ tar -xf nagios-4.4.6.tar.gz
ravitulsianisim@ip-172-31-77-126:~$
```

unzip <filename>.zip

```
ravitulsianisim@ip-172-31-77-126:~$ unzip terraform_0.14.9_linux_amd64.zip
Archive:  terraform_0.14.9_linux_amd64.zip
  inflating: terraform
ravitulsianisim@ip-172-31-77-126:~$ █
```