
Linux - Lab18

Basic Shell Commands - File and Directory Management

#login as ec2-user to complete the commands

#list the files and directories in the current working directory

ls

#create a file with the content "I am learning Linux" using vi(m) text editor

vi file1.txt

(this will open vi(m) editor in command mode)

press **i** or **insert**

(this will take you to insert or command mode, now you can add text or program)

"I am learning Linux"

press **Esc**

(to go back to command mode)

press **:wq** - write and quit

#list the files and directories in the current working directory

ls



#list the files and directories in the “/tmp” directory

ls /tmp

#copy the file “file1.txt” from the current working directory to “/tmp” directory

cp -v file1.txt /tmp

#list the files and directories in “/tmp” directory

ls /tmp

#create a directory with the name “project1” in current working directory

mkdir project1

#list the files and directories in the current working directory

ls

#copy the directory “project1” from current directory to “/tmp” with verbosity (it will give you error: omitting directory since -r not specified)

cp -v project1 /tmp

#copy the directory “project1” from current directory to “/tmp” with verbosity

cp -rv project1 /tmp



#list the files and directories in “/tmp” directory

ls /tmp

#create few empty files

touch file2.txt file3.txt file4.txt

#copy multiple files from same or different path to “/tmp” directory

cp -v file1.txt file2.txt file3.txt /tmp

#list the files and directories in “/tmp” directory

ls /tmp

#create a empty directory with the name “backup” within “/tmp”

mkdir /tmp/backup

#list the files and directories in “/tmp” directory

ls /tmp

#list the files and directories in “/tmp/backup” directory

ls /tmp/backup

#copy all the files ending with “.conf” from “/etc” to “/tmp/backup”

cp -v /etc/*.conf /tmp/backup



#list the files and directories in “/tmp/backup” directory

ls /tmp/backup

#create a directory with the name “hello” within “/tmp”

mkdir /tmp/hello

#copy the file “rsyslog.conf” from “/tmp/backup” to “/tmp/hello”

cp -v /tmp/backup/rsyslog.conf /tmp/hello

#copy the file “rsyslog.conf” from “/tmp/backup” to “/tmp/hello”
only if the file doesn't exist in destination

cp -vu /tmp/backup/rsyslog.conf /tmp/hello

#move the file “chrony.conf” from “/tmp/backup” to “/tmp/hello”

mv -v /tmp/backup/chrony.conf /tmp/hello

#list the files and directories in “/tmp/hello” directory

ls /tmp/hello

#remove the file “chrony.conf” from “/tmp/hello” directory

rm -v /tmp/hello/chrony.conf

#remove the file “rsyslog.conf” from “/tmp/hello” directory
forcefully

rm -vf /tmp/hello/rsyslog.conf



#list the files and directories in “/tmp/hello” directory

ls /tmp/hello

#remove the directory “/tmp/hello” forcefully with confirmation

rm -rvf /tmp/hello

#remove the files starts with character l from “/tmp/backup” with confirmation

rm -v /tmp/backup/l*

#list the files and directories to verify whether it is removed

ls /tmp/backup

#remove the files and directory starting with k and r forcefully from “/tmp/backup” with confirmation

rm -rvf /tmp/backup/[kr]*

#list the files and directories to verify whether it is removed

ls /tmp/backup

#change the working directory to “/tmp/backup”

cd /tmp/backup

#verify the current working directory

pwd



#copy all the files and directory from home directory to current directory

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cp -rv ~/* .
```

#list the files and directories to verify whether it is copied

```
ls /tmp/backup
```
