

# Securium fox Technologies Pvt Ltd

## Internship Day-3

**NAME: Teja Vardhan Madamanchi**

**DATE : 29 May 2021**

## Package Management

### 1. apt update

This command checks whether any new versions of Linux packages are available in the Kali Linux server

```
—(root@kali)-[~]
└─# apt update
Get:1 http://ftp.harukasan.org/kali kali-rolling InRelease [30.5 kB]
Get:2 http://ftp.harukasan.org/kali kali-rolling/main amd64 Packages [17.7 MB]
Get:3 http://ftp.harukasan.org/kali kali-rolling/main amd64 Contents (deb) [39.9 MB]
Get:4 http://ftp.harukasan.org/kali kali-rolling/non-free amd64 Packages [199 kB]
Get:5 http://ftp.harukasan.org/kali kali-rolling/non-free amd64 Contents (deb) [954 kB]
Fetched 58.8 MB in 5min 30s (178 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
56 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

### 2. apt list --upgradable:

This command gives the packages which are ready to update.

```
—(root@kali)-[~]
└─# apt list --upgradable
Listing... Done
emacs-common/kali-rolling 2.12-0-0kali1 all [upgradable from: 2.12-2-0kali1]
```

```
amass-common/kali-rolling 3.13.0-0kali1 all [upgradable from: 3.12.3-0kali1]
amass/kali-rolling 3.13.0-0kali1 amd64 [upgradable from: 3.12.3-0kali1]
bluez-hcidump/kali-rolling 5.55-3+kali1 amd64 [upgradable from: 5.55-3]
bluez-obexd/kali-rolling 5.55-3+kali1 amd64 [upgradable from: 5.55-3]

bluez/kali-rolling 5.55-3+kali1 amd64 [upgradable from: 5.55-3]
clang/kali-rolling 1:11.0-51+nmu5 amd64 [upgradable from: 1:11.0-51+nmu4]
firmware-amd-graphics/kali-rolling 20210315-2+kali1 all [upgradable from:
20210315-2]
firmware-atheros/kali-rolling 20210315-2+kali1 all [upgradable from:
20210315-2]
```

### 3. apt upgrade:

This command downloads and installs the required updates but will not remove the old versions.

```
—(root@kali)-[~]
└─# apt upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following packages were automatically installed and are no longer
required:
  python-babel-localedata python3-babel
Use 'apt autoremove' to remove them.

The following NEW packages will be installed:
  gnome-desktop3-data libgnome-desktop-3-19 libmanette-0.2-0
  libpipewire-0.3-0 libpipewire-0.3-modules libspa-0.2-modules
  libxkbregistry0 linux-image-5.10.0-kali8-amd64 pipewire pipewire-bin
  xdg-desktop-portal xdg-desktop-portal-gtk
The following packages will be upgraded:
  amass amass-common bluez bluez-hcidump bluez-obexd clang
  firmware-amd-graphics firmware-atheros firmware-brcm80211
  firmware-intel-sound firmware-iwlwifi firmware-libertas firmware-linux
  firmware-linux-nonfree firmware-misc-nonfree firmware-realtek
  firmware-ti-connectivity gir1.2-javascriptcoregtk-4.0 gir1.2-webkit2-4.0
  kismet kismet-capture-common kismet-capture-linux-bluetooth
  kismet-capture-linux-wifi kismet-capture-nrf-51822
  kismet-capture-nrf-52840 kismet-capture-nrf-mousejack
  kismet-capture-nxp-kw41z kismet-capture-rz-killerbee
  kismet-capture-ti-cc-2531 kismet-capture-ti-cc-2540
```

```
kismet-capture-ubertooth-one kismet-core kismet-logtools libbluetooth3
libc-bin libc-dev-bin libc-l10n libc6 libc6-dev libc6-i386
libjavascriptcoregtk-4.0-18 libmariadb3 libwebkit2gtk-4.0-37
linux-image-amd64 linux-libc-dev locales mariadb-client-10.5
mariadb-client-core-10.5 mariadb-common mariadb-server-10.5
mariadb-server-core-10.5 mimikatz python3-kismetcapturefreaklabszigbee
python3-kismetcapturerrtl433 python3-kismetcapturerrtladsb
python3-kismetcapturerrtlamr
56 upgraded, 12 newly installed, 0 to remove and 0 not upgraded.
Need to get 199 MB of archives.
After this operation, 317 MB of additional disk space will be used.
Do you want to continue? [Y/n] n
Abort.
```

#### 4. apt dist-upgrade:

This command updates the complete OS which also removes the old versions.

```
—(root@kali)-[~]
└─# apt dist-upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following packages were automatically installed and are no longer
required:
  python-babel-localedata python3-babel
Use 'apt autoremove' to remove them.
The following NEW packages will be installed:
  gnome-desktop3-data libgnome-desktop-3-19 libmanette-0.2-0
  libpipewire-0.3-0 libpipewire-0.3-modules libspa-0.2-modules
  libxkbregistry0 linux-image-5.10.0-kali8-amd64 pipewire pipewire-bin
  xdg-desktop-portal xdg-desktop-portal-gtk
The following packages will be upgraded:
  amass amass-common bluez bluez-hcidump bluez-obexd clang
  firmware-amd-graphics firmware-atheros firmware-brcm80211
  firmware-intel-sound firmware-iwlwifi firmware-libertas firmware-linux
  firmware-linux-nonfree firmware-misc-nonfree firmware-realtek
  firmware-ti-connectivity gir1.2-javascriptcoregtk-4.0 gir1.2-webkit2-4.0
  kismet kismet-capture-common kismet-capture-linux-bluetooth
  kismet-capture-linux-wifi kismet-capture-nrf-51822
  kismet-capture-nrf-52840 kismet-capture-nrf-mousejack
  kismet-capture-nxp-kw41z kismet-capture-rz-killerbee
```

```
kismet-capture-ti-cc-2531 kismet-capture-ti-cc-2540
kismet-capture-ubertooth-one kismet-core kismet-logtools libbluetooth3
libc-bin libc-dev-bin libc-l10n libc6 libc6-dev libc6-i386
libjavascriptcoregtk-4.0-18 libmariadb3 libwebkit2gtk-4.0-37
linux-image-amd64 linux-libc-dev locales mariadb-client-10.5
mariadb-client-core-10.5 mariadb-common mariadb-server-10.5
mariadb-server-core-10.5 mimikatz python3-kismetcapturefreaklabszigbee
python3-kismetcapturerrtl433 python3-kismetcapturerladsb
python3-kismetcapturerlamr
56 upgraded, 12 newly installed, 0 to remove and 0 not upgraded.
Need to get 199 MB of archives.
After this operation, 317 MB of additional disk space will be used.
Do you want to continue? [Y/n] n
Abort.
```

## 5. apt full-upgrade:

This command is upgrade + dist-upgrade

## 6. dpkg -l

Here d refers to Debian (Kali Linux is built on Debian OS)

In this, dpkg is the command and -l refers to a switch or tag or option.

This command is used to list the packages in system.

# Commands

## 1. pwd

Print the name of the current working directory.

```
-(root@kali)-[~]
└─# pwd
/root
```

## 2. ls

This command lists information about directories and any type of files in the working directory.

```
-(root@kali)-[~]
└─# ls
Desktop  Downloads  new1.txt  Pictures  teja.txt  Videos
```

Documents Music new.txt Public Templates

### 3. cd

Change the shell working directory.

```
—(root@kali)-[~]
└─# cd /home
└─(root@kali)-[/home]
└─# cd ..
└─(root@kali)-[/]
└─#
```

### 4. ls -l

This command gives long list(more details) of files and directories in a list manner.

```
lrwxrwxrwx 1 root root 7 Feb 23 04:57 lib -> usr/lib
lrwxrwxrwx 1 root root 9 Feb 23 04:57 lib32 -> usr/lib32
lrwxrwxrwx 1 root root 9 Feb 23 04:57 lib64 -> usr/lib64
lrwxrwxrwx 1 root root 10 Feb 23 04:57 libx32 -> usr/libx32
drwx----- 2 root root 16384 Feb 23 04:57 lost+found
drwxr-xr-x 3 root root 4096 Feb 23 04:57 media
drwxr-xr-x 2 root root 4096 Feb 23 04:58 mnt
```

### 5. mkdir and rmdir

mkdir creates a new directory

rmdir removes a directory if and only if directory is empty

```
—(root@kali)-[~]
└─# mkdir teja
└─(root@kali)-[~]
└─# ls
Desktop Downloads new1.txt Pictures teja Templates
Documents Music new.txt Public teja.txt Videos
└─(root@kali)-[~]
└─# rmdir teja
└─(root@kali)-[~]
└─# ls
Desktop Downloads new1.txt Pictures teja.txt Videos
```

Documents Music new.txt Public Templates

## 6. touch and rm

Touch is used to create a file.

rm is used to remove a file.

```
—# touch securium.txt
└─(root@kali)-[~]
└─# ls
Desktop    Downloads  new1.txt  Pictures  securium.txt  Templates
Documents  Music      new.txt   Public    teja.txt      Videos
└─(root@kali)-[~]
└─# rm securium.txt
└─(root@kali)-[~]
└─# ls
Desktop    Downloads  new1.txt  Pictures  teja.txt      Videos
Documents  Music      new.txt   Public    Templates
```

## 7. mousepad

It used to create a new file that can be written and modified in mousepad.

## 8. cat

To read the contents of the file.

```
└─(root@kali)-[~]
└─# cat day3.txt
Hello Teja Vardhan
```

## 9. echo

It prints the given statements. Echo works as a print statement

```
└─(root@kali)-[~]
└─# echo "heloo welcome"
heloo welcome
```