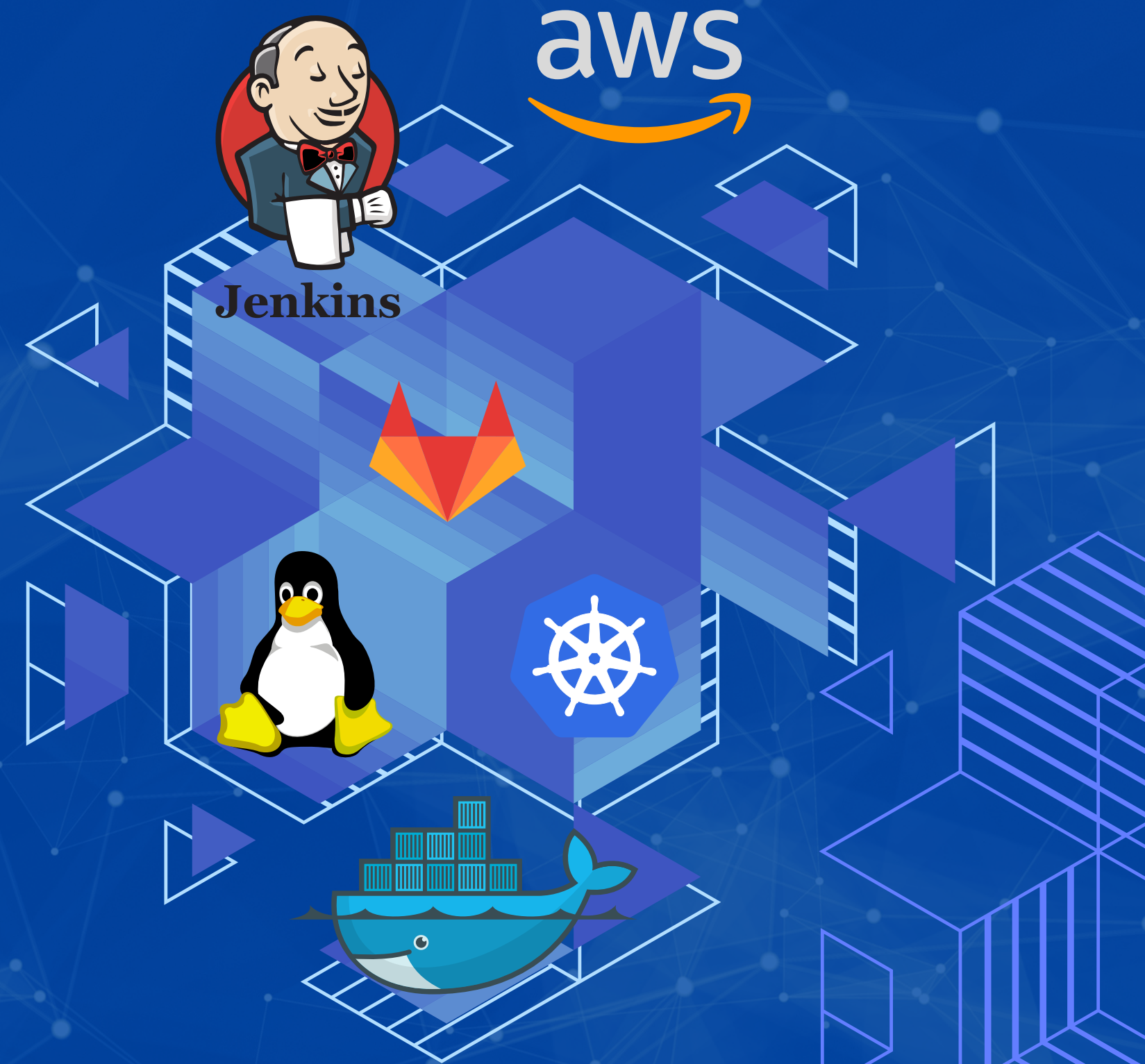# Linux Commands

LINUX INSTALL

Syntax of Install Command

```
install [OPTION]... [-T] SOURCE DEST

install [OPTION]... SOURCE... DIRECTORY

install [OPTION]... -t DIRECTORY SOURCE...

install [OPTION]... -d DIRECTORY...
```

```
[root@localhost data]# pwd
/data
[root@localhost data]# ls
test.txt
[root@localhost data]# mkdir copydata
[root@localhost data]# ls copydata/
[root@localhost data]# install test.txt copydata/
[root@localhost data]# ls copydata/
test.txt
[root@localhost data]#
```

iNeuron

LOCATE COMMAND

Syntax:

```
locate [OPTION]... PATTERN...
```

```
[root@localhost data]# cd
[root@localhost ~]# pwd
/root
[root@localhost ~]# locate test.txt
/data/test.txt
[root@localhost ~]#
```

iNeuron

SHUTDOWN COMMAND

Syntax of Linux Shutdown Command

```
shutdown [options] [time] [message]
```

```
sudo shutdown now

sudo shutdown +0
```

```
sudo shutdown +20 "System Shutdown in 20 minutes"
```

iNeuron

CAT COMMAND

Syntax:

```
cat OPTIONS FILE_NAME
```

```
[root@995159-RINFAAP1 Praveen]# cat > Testfile.txt
This is my First Command in Linux
[root@995159-RINFAAP1 Praveen]#
```

```
[root@995159-RINFAAP1 Praveen]# cat Testfile.txt >File_1.txt
[root@995159-RINFAAP1 Praveen]# cat File_1.txt
This is my First Command in Linux
[root@995159-RINFAAP1 Praveen]#
```

iNeur☉n

SED COMMAND

```
sed OPTIONS [SCRIPT] INPUTFILE
```

Code:

```
cat test|sed 's/t/T'
```

Output:

Code:

```
sed 's/t/T/g text
```

Output:

iNeuron

DF COMMANDS

```
df
```

Output:

```
Filesystem      1K-blocks      Used Available Use% Mounted on
udev             3996566          0   4196816   0% /dev
tmpfs             804134      11120    635604   2% /run
/dev/sda9       46117056   21036160 78997712  73% /
tmpfs            1223116      35848   1583268   1% /dev/shm
tmpfs               4400          5      6416   1% /run/lock
tmpfs            3203166          0   7503116   0% /sys/fs/cgroup
```

```
df [OPTIONS]... [FILE]...
```

```
df -h -t ext3 --output=soure,size,pcent
```

```
Filesystem        Size      Use%
/dev/dofilba      295G       93%
/dev/sgn1         359G       25%
```

iNeuron

CUT COMMAND

```
cut [option]… [File]
```

```
cat output.txt
```

```
[root@localhost training]# cat training.txt | cut -d "|" -f3 > output.txt
[root@localhost training]# ls
output.txt      training.txt
[root@localhost training]# cat output.txt

[root@localhost training]#
```

iNeuron

REBOOT COMMAND

Syntax #1

```
sudo reboot
```

Syntax #2

```
sudo shutdown -r
```

Syntax #3

```
init 6
```

iNeuron

PS COMMAND

```
ps -[options]
```

	Option	Working
1	e	e option it displays running Daemons.
2	f	with the F option it displays processes with full options.
3	l	with the L option it would list more information on those processes.
4	ef	we were to combine e and F together that would display all processes and Daemons on all TTYS.
5	a	a would list all processes that run on terminals.
6	x	X would list all processes that do not run on terminals.
7	aux	we were to combine a U and X that would list all processes running on or off terminals and it would format the results with additional information similar to a long listing.

Code:

```
ps -1
```

Output:

```
F S   UID   PID   PPID  C PRI  NI ADDR SZ WCHAN   TTY        TIME CMD
0 S   1000  2808  2806  0  80   0 -  1438 wait   pts/0   00:00:00 bash
0 R   1000  2904  2808  0  80   0 -   625 -      pts/0   00:00:00 ps
```

Code:

```
ps -ef
```

Output:

```
cgermany  1698     1  0 00:53 ?        00:00:00 /usr/lib/indicator-applet/indic
cgermany  1699     1  0 00:53 ?        00:00:00 /usr/lib/indicator-applet/indic
cgermany  1700     1  0 00:53 ?        00:00:00 /usr/lib/gnome-panel/notificati
cgermany  1707     1  0 00:53 ?        00:00:00 /usr/lib/gvfs/gvfsd-metadata
cgermany  1709     1  0 00:53 ?        00:00:00 /usr/lib/indicator-session/indi
cgermany  1713     1  0 00:53 ?        00:00:00 /usr/lib/indicator-me/indicator
cgermany  1716     1  0 00:53 ?        00:00:00 /usr/lib/indicator-messages/ind
cgermany  1727     1  0 00:53 ?        00:00:00 /usr/lib/gvfs/gvfsd-burn --spaw
cgermany  1729     1  0 00:53 ?        00:00:00 /usr/lib/indicator-application/
cgermany  1731     1  0 00:53 ?        00:00:00 /usr/lib/indicator-sound/indica
cgermany  1733     1  0 00:53 ?        00:00:00 gnome-screensaver
cgermany  1737     1  0 00:53 ?        00:00:00 /usr/lib/notify-osd/notify-osd
cgermany  1743  1571  0 00:53 ?        00:00:00 /usr/lib/gnome-disk-utility/gdu
cgermany  1750  1571  0 00:54 ?        00:00:00 /usr/lib/evolution/2.28/evoluti
cgermany  1751  1571  0 00:54 ?        00:00:00 python /usr/share/system-config
cgermany  1760  1571  0 00:54 ?        00:00:00 update-notifier
root      1764     1  0 00:54 ?        00:00:00 /usr/bin/python /usr/lib/system
```

MKDIR COMMAND

```
mkdir  [OPTION]... DIRECTORY...
```

```
mkdir sample1 sample2 sample3
```

```
$ mkdir pics
```

```
mkdir a/b
```

```
rmdir -p a/b
```

iNeur⊙n

RMDIR COMMAND

```
rmdir [-p] [-v, --verbose] [--ignore-fail-on-non-empty] [ directory
names....]
```

Example #1

```
rmdir sampledir1
```

File Edit View Search Terminal Help

balaji@ubuntu : ~$ ls

sample1 sample2 sample3

balaji@ubuntu : ~$ rmdir sample1 sample2 sample3

balaji@ubuntu : ~$ ls

balaji@ubuntu : ~$

iNeuron

MV COMMAND

```
mv [OPTION] SRC DEST
```

```
mv File.txt File1.txt
```

```
[pkumar@995159-RINFAAP1]$ cd /app
[pkumar@995159-RINFAAP1]$ ls -i File.txt
total 2
136907 -rw-r--r-- pkumar pkumar 68 Jan 8 16:20 File.txt
[pkumar@995159-RINFAAP1]$ mv File.txt File1.txt
[pkumar@995159-RINFAAP1]$ ls -i File1.txt
total 2
136907 -rw-r--r-- pkumar pkumar 68 Jan 8 16:21 File1.txt
```

iNeuron

See you Next Part