## # PROLESS MANAGEMENT

A process refers to a program in execution; it's a running instance of a program. It is made up of the program instruction, data read from files, other programs or input from a system wer.

Types of processes:

There are fundamentally two types of processes in linux:-

- \* Foreground processes: It is also referred to as interactive processes. These are initialized and controlled through a terminal session. In other words, there has to be a user connected to the system to start such processes; they haven't started automatically as part of the system functions / services.
- Background processes: It is also referred to as noninteractive / automatic processes. These
  are processes not connected to a terminal. They
  don't expect any user input.

Running a foreground process: - Once you run a command

(for ex: - sol stondernd), it will start

a process in The system. It will be connected to the

terminal and a user can send input to it.

Running a background process: To start a process in the background (mon-interactive) use the & symbol here, the process doesn't read injust from a user until it's moved to the foreground,

To stop a foreground process in between of its execution

2. To get The	list of	jobs that are either running or
Stopped	and according to the strategy of construction of the format in construction	
\$ job	8	
3. To sun	all the	pending and torce storage into in
the bac	Karmand	g and Jose supped jobs in
\$ 60	good	pending and force stopped jobs in
4. To get	10411.	
to get	acialis	of a process running in background grep sleep
\$ P	s -efl	grep sleep
3 to run	all the	pending and force stopped jobs
in the	· foregro	uind.
\$	<i>tg</i>	
<u> </u>		
# Importar	nt process	management commands
Commands		Description
bg	->	to send a process to the background
fg		to sun a stopped process in the background
top	$\longrightarrow$	Details on all active processes
ps	<u> </u>	give the status of processes running
		for a user
ps PID		gives the status of a particular proces
pidof	<del></del>	gives the process ID of a process
Kill PID	$\longrightarrow$	kills a process
nice		starts a process with a given priority
renice		changes priority of an already
. 2.2		runing process.
11	<del></del>	
df	<b>)</b>	gives free hard disk an your system
free		guies free RAM on your system

# User Management: User management includes everything from creating a user to deleting a user on your system. User management can be done in three ways on a Linux System. Command line tools like useradd, userdel, passwod etc, are widely used by the server administrators, useradd: with useradd command you can add a user \$ sudo adduser (username) 2. Disable account :- for disabling an account,
remove the password set on the account. \$ sudo passwd - l "Lusername"> 3. Delete an account \$sudo userdel -r (Lusername) 4. Add user to a usergroup \$ sudo usermod - a - G (groupname) < usemame) s. Check user is in group \$ cat lete / group 6. Remore user from a group

\$ sudo deluser (Username) (groupname)

7. finger \$ finger Gives information on all logged in user

8. \$ finger username

Crives information of a particular user.