

Compression types

tar

tar.gz

Type tar

\$tar cvf NAME.tar FILE_Path

Compress file with tar type format .

\$tar xvf NAME.tar

Extract file.

\$tar xvf xyz.tar -C Absolute_Path Extract file on target location.

Type tar.gz

\$tar zcvf File_Name.tar.gz

For compress

\$tar zxvf File_Name.tar.gz

For Extract Type zip

\$zip Name.zip File_Name/path

For zip the file

\$unzip Name.zip

For unzip file

\$unzip Name.zip -d PATH

Unzip on particular path or location

Monitoring Process

At organization the linux level monitoring is done through the command line and its commands and process.

Process - Processes simply execution of the task. Program - Multiple task execute in sequentially or step by step.

Threads - Process is break into multiple processes its called threads

Types of process

Running or Run able ®

Uninterruptible Sleep (D)

Interruptable Sleep (S)

Stopped (T)

Parent process

Child process

Zombie (Z) - (parent process is not ready to take output of child process then it becomes)

Demon process (Background process)

_____Monitoring Commands_____

\$ps

Ps command showing static process of current shell only.

-a = All active process.

-au = All terminal process with user name.

-aux = All process of all user with background process.

-u USER_NAME = show particular user process.

-u GROUP_NAME = show particular group process.

-ef = All process info in standard format.

\$top

Its important command for showing current running linux processes on kernel.

cpu use in%, us(user space),ni (nice value),id(ideal time),wa (waiting time),hi,si(hw interrupt & sw intercept time spend), st(still time cpu present or not for taking process for exc.) PR priority of task-u <USER_NAME> = particular user running process

\$htop

top & htop both are showing same result. PID,USR,Physical,Virtual_mem%,consumption,uptime..etc

\$lsdf

It showing the All open files.