Name: Prinav Mishra Registration No: 12.114/62 Roll No: RDOCOGASS Cowine Code: CAP448 (set () Teacher: - Pallavi Was Course THIE: Linux and Shell Script Ans: 1 (i) Remove a non-empty directory: We are use our command to delete a non-empty directory. Syntax is: om - of clin-name orm-sif (path/to/dis/name When you use the sim command with - si and -f option The - or option semove directories and their contents recursively including all files. Example ofor removing non empty directory: Jim di \$1 trip-pittwas 10 delete all files inside trippictures including folder inself own the following im command orm- orf toup pictures (11) Check all commands used in past: We can use history command to check all the commands used in the past: Syntax: history By default, the history command displays the last 16 commands to the standard output. The history command allows us to suemove the data triom the history library. We can sumove a particular line on complete history. 1/12

To sumove a particular command, execute the his tony command by specifying the command number in history as follows:

history -d <line number)

Ex!

history -d 500

To sumove the complete history of executed command, sun the below command: Syntox:

history -c

The above command will delete the entire history Grondil grotzin ont mort

(111): Different ways to create a file:

There are mainly six ways to creating files. All of them have theirs own purpose and benefits.

1. Cat command:

It is most universal command for creating files. We cannot exit a file using the cont command.

To create files and write the data into them SYNTAX ?

cot > file nome

Note: After writing the text into the tile, pruss

Ctru to to save and exit from the writing mode.

2. touch command:

The touch command is also one the popular commands in Linux. It is used to create a new tile, unpdate the time stamp on existing tiles and directories. It can also create files. en empty tiles.

The touch command is used to weate a new file from the command line. We can create multiple tile by executing this command at once.

Syntex for One file:

touch testitxt

Syntex for multiple file!

touch tests. +x+ tex+2.+x+ tex+3.+x+

3:- vi command:

Its main function is to cell tiles. It is commonly used by programmers to court the textual actual content of any file on vi text editon.

Syntex:

Vi file-1

4:- nano commande.

It may/may not be tound in all distribution ns. of LINUX. We can create as well as edit files.

Syntex!

nano tile1

5: geolit command: "gedit" stands for GNOME text editor, It's a standard default text editor found in any System.

Using geout we can create as well as write/edit

Syntex:

goolit tile-2

Note! To use the terminal ogain, press ctrutc This command opens gedit text excitor os a back ground task.

6: mu command;

We normally use my command to more the files on clinetoxies from one place to another is But we can also uset to create new files with the contents of some other file on the system.

Syntex!my file_2 file_3

Note: This command copies the content of file. 2 to file. 3 and cliletes file. 2.

4: Usage of more and less commands:

more command:

more command is used to view the text files in the command prompt, displaying one screen at a time in case the file in large.

The more command also allows the user do scroll up and down through the page.

The syntex along with options and command is as follows:

Syntax:

more [-option] [-num] [+1 pattern] [+1 line num] [file nami]
More is a anix command line used to display the
Contents of a file in a console

Second way to use more command in conjunction (pipe) with other command.

Less command:

a file and navigate through file.

You can also season text and monitor files in oceal time with it.

It has faster access becomes if file is large it doesn't access the complete file, but accesses it page by page.

Syntax:

less filename

The main difference between more and less is that less command is foster

V4:- Check all disk partition:

Check all disk postition command would check what postitions there are on eachdisk and other details.

(i) felisk: Fdisk 15 the most commonly used command to check postition on a clisk. The felisk command can display the partitions and cletails like fill system type. However it closs not report the size of each provititions.

Syntax:- falisk -1

(i) stelisk: Stelisk is another utility with a pur pose similar to felisk but with more features. It can display the size of each partitions in MB.

Syntax! - Stelisk -1-UM

(iii) cfolisk: cfolisk is a linux partition editor with an interactive user interface based on newges. It can be used to list out the existing partitions as well as create or modify them.

Syntax: Cfdisk Ideal solb

(iv) parted! Parted is get another command line willity to list out paretitions and modify them if needed.

Syntax: parted -1

(V) of: Disnot a partitioning utility, but pounts out details about only mounted tile systems. The list generated by all even includes file system that are not read disk partitions.

Syntax: df-h

Mi) Pydf: Improved version of df, written in Python, Prints out all the hard disk partitions in a easy to read momner.

Syntax! Pyclf
Pyclf
Pyclf
Pyclf
Pyclf
Pyclf
Showing only the mounted file.
(Vii) Isblk:-

Ist cists out all the storage blocks, which includes disk postfitions and optical drives. Details include the total size of the postition /blocks and the mount point if ony.

Does not suport the used/free disk space on the partitions.

Syntex! - 15blk

about each device like the label and model.

(viii) bikid:

Print the block elevice attributes like used and file system type. Does not report the space on the postitions.

Syndox! - blkid

(XI) hwinto

The hwinto is a general purpose hardward information tool and can be used to print out the disk and partition list.

Syntax: hwinto -- block -- short

(x) In xi:-

Inxi is a very useful command line program that can display intermedian about various haralwave component paresent on the system. To display intermedian about the disk driver and storage devices use the "-D" option with Inxi.

Amiz:- Counte a shortcut in Linux:

To create a short cut (symunk) in the terminal you can use the following commands:Syntax!

In-s/home/Documents/mnt/dock

If you find more command in In to check the & mon In command.

Once the smortcut is create it can be followed from the context many:

- + Right click on shortent (it will appear aurowin
 - + tollow the Line to go original tile.

The shordents are displayed differently from the folder.

Another way to create the shortcut would be using the command line. There are following in given below:

In-s/path/+to file/path/+to symlink

In- 5/home/user/ @Pictures/home/user/Audio

In- st/path/tolfile/poun/tu/symlink):-

Backup of file in Linux:

It the tik you want to copy abready exists in the clestination directory, you can backup your existing file with the use of this command:

Syntoxi

Example: Cp -- backup < flenome> < du # stination Disuction Plant fory?

CP -- backup file . 4xt/nome/ssit/Downloads!

file . 4xt abready exits in the clustination directory.
We have created a backup file and copied it in
the same directory.

dump command!

the system to some storage dovice.

It backs up the complete the system and not the individual filex.

Syntax! dump (-W)

One special feature of dump is that it allows in one mental backups.

It print the general syntax of the command along with the various options that can be used with the dump command.

It also prints the version number of the dump command being used.

Syntax with option:

dump[-level#][-a autosize][-Afile][-B records][-b
blocksize] [-d density][-O file] for made numbers][-E file]
[-ffile][-F soupf][-h livel] [-1 mil evious][-jeompression | m]
[-Llobel][-O file][-s feet][-Td ode] etc.

And: 3 For this situation there we following way which

(i) Run the system all command:

The most modern linux distribution, system is the Init system, so both subooting and powering down can be performed through the system user. Interface systemati. The systemati command arcepts, among many other options, halt rebot. These commands are mostly equations to starting the target file of the same name.

Syntax:

Suclo systemet start report, target

(ii) Run the shutdown command:
The shutdown command in Linux is used to
shutdown in a safe way.

This command is needed a time orgument. Syntax!

Sudo shutchown - x now

off or reboot the system in safe way.

This command is used such

This command is used restert or reboot the System. In a linux system administration there comes a need to restart the sorver adter the completion of some network and other mojor updates Syntax!

sualo suboot

Note: The usage of the subout, halt and poweroff is almost similar in Syndox and effect.

4:- Init: It is the parent of all processes. Its
primary side is to awate processes from a
soupt storad in the file letelinitab.

It also controk automomous processes suguismed by any particular system.

The delinit command is the front-end to your Inst system. Dr

Syntax: sudo telinit

If you are using systemath, then this command is a link to systemath with the appropriate options.

5:- Proc: Proc:

· Proc file system (prescts) is ultitued tile system creented on fly when system boots and is dissolved at time at system shutdown.

Syndax!

garellantas//cre/sorg < 10409 obres