

Notes 3

Commands covered in lecture:

Echo

- Definition:
 - Used for displaying text on the screen.
 - Usage:
 - `echo + option + string to print`
 - Examples:
 - Display/print a line of text
 - `echo "hello world"`
 - Display a line of text with a horizontal tab
 - `echo -e "\tLine 1\tLine2"`
 - Displays 2 lines of text in a single echo command
 - `echo -e "Line 1\nLine 2"`
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date

- Definition:
 - Print or set the system date and time
 - Usage:
 - `date + option`
 - Example:
 - Display current date
 - `date`
 - Display current date in rfc 5322 format
 - `date -R`
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free

- Definition:
 - Display amount of free and used memory in the system
- Usage:

- `free + option`

- Example:

- Display memory utilization
 - `free`
- Display memory utilization in human readable format
 - `free -h`

uname

- Definition:

- Print system information

- Usage:

- `uname + option`

- Example:

- Print all information
 - `uname -a`
- Print kernel information
 - `uname -s`
- Print node name
 - `uname -n`

history

- Definition:

- Shows command line history

- Usage:

- `history + option`

- Example:

- Display session history
 - `history`
- Clear session history
 - `history -c`

man

- Definition:

- An interface to the system reference manuals
 - Usage:
 - `man + option + command`
 - Example:
 - Open the man page of echo command
 - `man echo`
 - Open a specific man page
 - `man 5 passwd`
 - Show all available man pages
 - `man -f passwd`
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apt

- Definition:
 - A set of tools for managing debian packages
 - Usage:
 - `sudo(if required) + apt + apt action + package name`
 - Example
 - Update and upgrade
 - `sudo apt update && sudo apt upgrade -y`
 - Install a program
 - `sudo apt install firefox`
 - Remove a program
 - `sudo apt remove firefox`
 - Search for a program
 - `apt search "Web Browser"`
 - List all installed programs
 - `apt list --installed`
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snap

- Definition:
 - Snaps are app packages for desktop, cloud and IoT that are easy to install, cross platform and dependency free
- Usage:
 - `sudo (if needed) + snap + action + package name`

- Example:
 - Find a snap
 - `snap search "video player"`
 - Install a snap
 - `sudo snap install vlc`
 - Update snaps
 - `sudo snap refresh`
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flatpak

- Definition:
 - Flat pak is a next generation technology for packaging, distributing, and managing software in Linux
- Usage:
 - `sudo` (if needed) + `flatpak` + `action` + `package id`
- Example:
 - Search for package
 - `flatpak search "video player"`
 - Install package
 - `flatpak install org.videolan.VLC`
 - Remove flatpak
 - `flatpak remove org.videolan.VLC`