

Notes 3

What is a graphical user interface (GUI)?

A set of programs that allow you to interact with the computer with via icons.

What is a desktop environment?

A group of programs running on top of a computer system.

What is the command line interface (CLI)?

Users interact with the computer using commands.

How do I access the command line interface (CLI)?

Linux Console and Terminal Emulator.

What is a virtual console?

A Terminal session that runs in Linux system memory.

What is a terminal emulator?

Allows you to access the Linux CLI when using the GUI.

What is bash?

Configured with a hidden file located in your home directory.

What is the shell prompt?

A character at the start of the command.

commands definitions

clear

- **Definition:**
 - clears the screen
- **Usage:**
 - `clear`
- **Example:**
 - How to clear the screen:
 - `clear`

echo

- **Definition:**

- Displays text on the screen
- **Usage:**
 - `echo + option + string to display`
- **Example:**
 - How to display a line of text:
 - `echo "hello"`
 - How to display 2 lines of text
 - `echo -e "Hello\nworld"`

date

- **Definition:**
 - Displays time described by string
- **Usage:**
 - `date + option`
- **Example:**
 - How to display the date
 - `date -d`
 - How to display the date in rfc-3339 formate
 - `date --rfc-3339=ns`

free

- **Definition:** *Display the amount of free memory.
- **Usage:** *`free + option`
- **Example:**
- How to display the amount of memory in bytes.
 - `free -b`
- How to display the amount of memory in megabytes
 - `free -m`

uname

- **Definition:** *Print system information
- **Usage:** *`uname + option`
- **Example:**
 - How to display kernel name
 - `uname -s`
 - How to display kernel release
 - `uname -r`

history

- **Definition:** *History Library
- **Usage:** *`history + option`
- **Example:**
 - how to show 10 commands *`history 10`
 - how to show 2 commands *`history 2`

man

- **Definition:** *an interface to the system reference manuals
- **Usage:** *`man` + option + command
- **Example:**
 - How to display debugging `*man -d`
 - How to display the source nroff file `*man -w`

tldr

- **Definition:** *tealdeer as fast client Danilo Bargen
- **Usage:** *`tldr` + option + display
 - **Example:**
 - How to print the version `*tldr -v`
 - how to print help
- `*tldr -h`

cheat

- **Definition:** *list commands
 - **Usage:**
 - `cheat man`
- **Example:**
 - How to get commands `*cheat man`

hostname

- **Definition:**
- *shows or sets the systems hostname
- **Usage:**
- `hostname` + option
- **Example:** *How to set a hostname `*hostname -b`

df

- **Definition:**
- report file system space usage
- **Usage:**
- `df` + option
 - **Example:** *How to list inode information `*df -i`

du

- **Definition:**
- estimate file space usage
- **Usage:**
- `du` + option
 - **Example:**
 - how to write counts for all the files.

- **du -a**

figlet

- **Definition:** *Display large characters made up of ordinary screen characters.
- **Usage:** ***Figlet** + option + display characters
- **Example:** *How to change the default font ***figlet -d** *How to control the outputwidth ***figlet -w**