Windows Command Line Room

# CLI Advantages

* Lower resources usage
* Efficiency and speed
* Automation: create bash or scripts
* remote management: using ssh to manage a remote system

# How can we use ssh in remote management?

* Try out the command: ssh user@MACHINE\_IP
* Then enter the password
* Default command line interpreter: cmd.exe

# Basic Information System

* Set command: check path in the command line
* Ver command: to check the version of the OS
* Systeminfo command: to check basic information regarding the OS
* Cls: clears the command screen
* Help: when help is needed with command

# Network

* Ipconfig: shows things like IP address, subnet mask, and default gateway, MAC address
* Ipconfig /all: more info about the network
* Ping target\_name: use this to check if you can access a certain server
* Tracert target\_name: shows the route it takes to reach a server
* Nslookup target\_name: returns the Ip address
* Netstat: shows current connections and listening ports
* A close up of text

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# Working With Directories

* Cd: displays the current directory (where you are exactly)
* Dir: shows the children of the directory
* Dir /a: shows hidden and system files
* Dir /s: shows all subdirectories and files
* Tree: visually shows the directories and their children
* Cd..--> goes up one level, moves back
* Cd target\_directory: to go to a certain directory
* **mkdir directory\_name:** creates a directory
* **rmdir target\_file:** removes a directory
* **type:** dumps the content of a file on the screen
* **more:** used for longer text files
* **copy:** allows you to move files from location to location
* **move file\_name:** moves files
* **del or erase:** deletes files

# Task and process management

* tasklist: lists the running processes
* tasklist /?: gives u all available filters
* tasklist /FI "imagename eq sshd.exe" : when you want to use a filter called imagename on anything related to sshd.exe
* taskkill /PID target\_pid: terminates the process

# Conclusion

A close-up of a computer

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