9/24/25, 9:17 PM COSA

## **COSA**

What is Server?			
Booting Process			
What is OS?			
Why we use Server OS?			
☐ How to format a Windows Machine			
☐ Windows 11 Installation			
☐ Disk Management			
What is Virtualization? and Types of Virtualization			
Installation of Virtualbox			
Windows Server Installation			
☐ Windows Server 2025 - Datacenter (Desktop Experience)			
Networking			
☐ Five Elements of Communication			
IPv4 Addressing			
☐ Classes of IPv4			
☐ Static IP and Dynamic IP			
☐ Private Network and Public Network			
☐ Public Network, Private Network			
☐ Private Network IP Range			
□ APIPA			
☐ Loopback			
☐ What is netmask?			
☐ What is Gateway?			
☐ What is DNS Server?			

9/24/25, 9:17 PM COSA

☐ Purpose of netmask, Gateway and DNS Server is				
☐ Network Address Translation (NAT)				
☐ Classful and classless				
☐ Networking Commands				
☐ ping				
☐ Linux History				
☐ Linux Distributions				
☐ Package Manager (apt)				
☐ Service Manager (systemctl)				
☐ Virtualbox Adapters				
☐ Bridge				
□ NAT				
□ NAT Network				
☐ Internal				
☐ Host Only				
☐ How to import Virtual Machines?				
☐ SSH Service				
☐ PuTTY				
☐ Login, package manager update				
□ nano (editor)				
☐ /etc/apt/sources.list				
☐ Commands				
☐ whoami				
□ pwd				
☐ hostname				
□ clear				
☐ history				

☐ ip a

cat

☐ tac

☐ tail

□ cd

☐ which

mkdir

rmdir

curl

echo

chmod

chown

☐ chgrp

adduser

deluser

usermod

addgroup

☐ rm

 $\square$  poweroff

☐ # - One line comment

reboot

☐ head

☐ Is

□ mv

sudo

members

passwd

auto

 $\Box$  cd.

□ cd ...

□ cd ~

□ cd -

☐ Apache2

□ \$,# -> Terminal

□ Network Configuration in Linux

/etc/network/interfaces

allow-hotplug

☐ Absolute Path & Relative Path

☐ What is sudo? Why we use sudo?

☐ What is file permission?

☐ How we can change the file permission?

☐ FHS (Filesystem Hierarchy Standard)

☐ How to assign static and dynamic IP address

100 100 1 05/00001	
192.168.1.25/COSA/checklist/COSA.html	

sudoers file

sudo group

☐ File Permission

9/24/25, 9:17 PM COSA

	Change File owner, Change File group
Us	er & Group Management
	/etc/group
	/etc/passwd
	Primary Group and Secondary Group
	How to add, delete, modify Users and groups?
	How to modify existing user
	shell
	□ primary group
	☐ Append into secondary group
	☐ Login Name
DH	CP Server in Linux
	w to change root password in Linux (if you have forgot the root password ough GRUB)
Ou	tput Redirection [ > , >>]