Fr. Conceicao Rodrigues college of Engineering Department of Computer Engineering

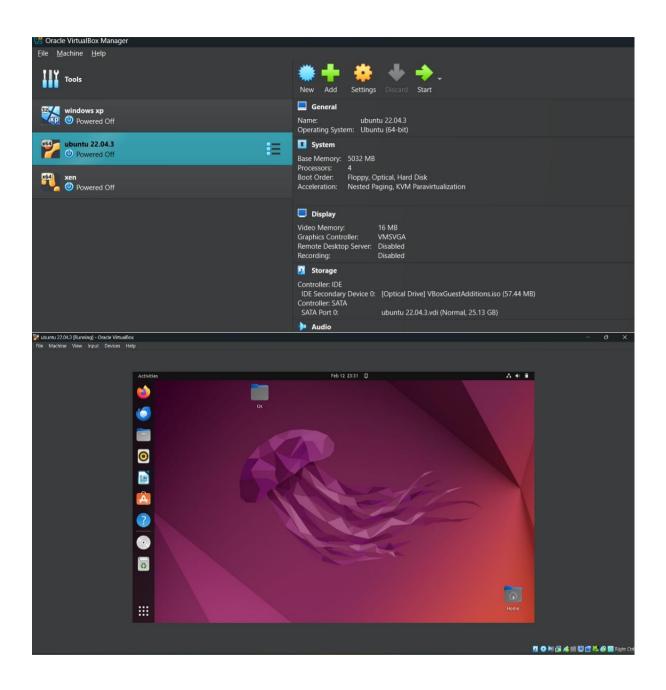
Experiment 2

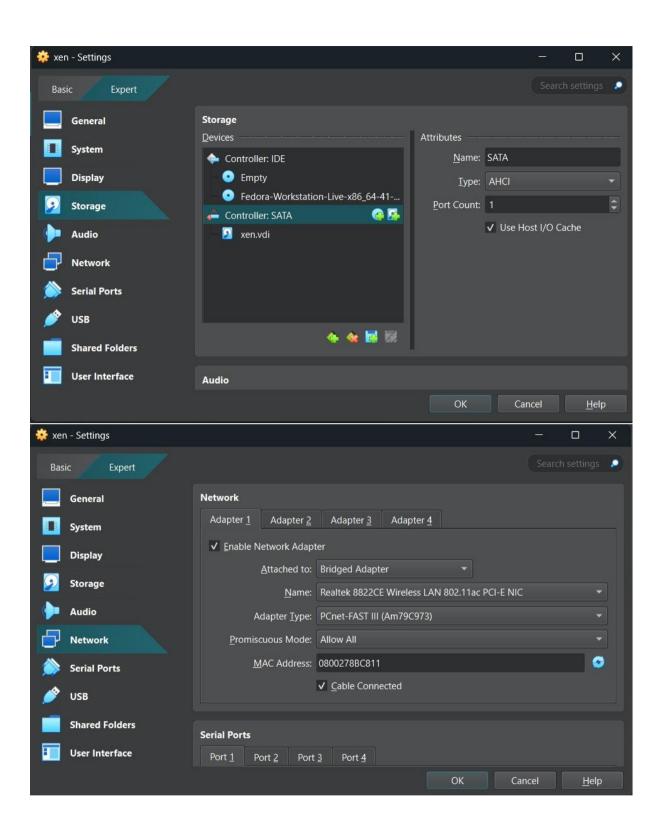
Title:	Study and Implementation of Virtualization.		
Student	Name Manual		LO1
Sign here	to indicate that you have	oll no.	9913
Moodle/	to indicate that you have read all relevant material provided/ av Classroom while performing and writing this experiment	ailable on	

Rubrics:

Criteria Understando	Excellent	Good	Satisfactory	Poor	Total
Understanding of Virtualization and Hypervisor (R1)	Demonstrates comprehensive understanding of virtualization concepts and hypervisor types.(6)	Good understanding with minor gaps in knowledge.(5)	Basic understanding but lacks depth in some areas.(4)	Limited or incorrect understanding of key concepts. (2)	Marks 6
Deployment of Type I Hypervisor (R2)	Accurately and efficiently deploys Type I hypervisor with advanced understanding. (6)	Correct deployment with minor errors or inefficiencies. (5)	Basic deployment, but with significant errors or inefficiencies. (4)	Inability to deploy or significant errors in deployment. (2)	605
Deployment of Type II Hypervisor (R3)	Accurately and efficiently deploys Type II hypervisor with strong application skills. (6)	Adequate deployment with minor issues. (5)	Basic deployment with several errors or inefficiencies. (4)	Fails to deploy or significant issues in deployment. (2)	6
Fimeliness of Submission R4)	On time (2)	1-week late (1)	2-weeks late (0)	More than 2 weeks late (Deduct up to 5 marks)	2

Date of Performance	Date of Submission	Signature of the Teacher
		Janill .
		Mar
		//





03:29:41 XenServer 8

Configuration -

Customize System

<mark>Status Display</mark> Network and Management Interface Authentication Virtual Machines

Disks and Storage Repositories Resource Pool Configuration Hardware and BIOS Information

Keyboard and Timezone Remote Service Configuration

Backup, Restore and Update

Technical Support Reboot or Shutdown Local Command Shell

innotek GmbH VirtualBox

XenServer 8

Management Network Parameters

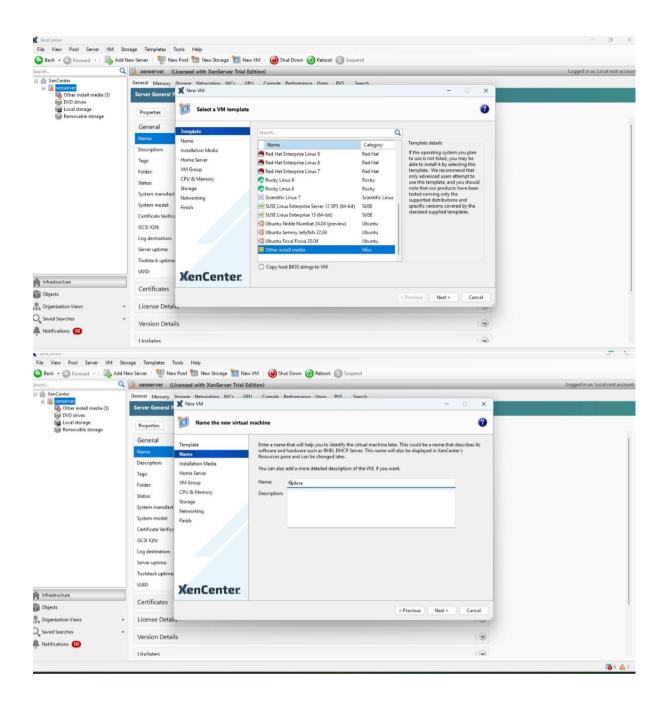
Device eth0

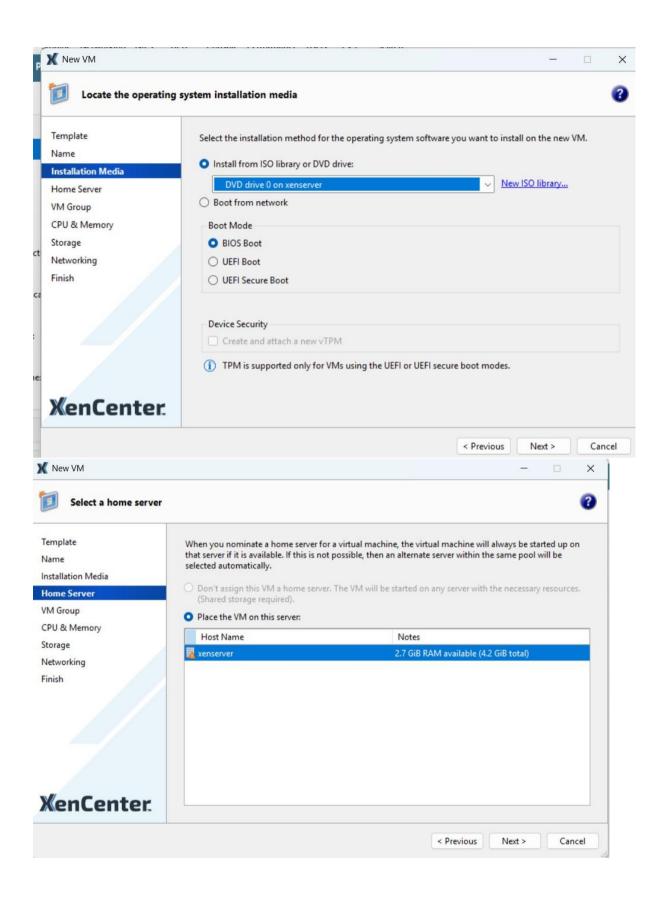
IP address Netmask 192.168.31.138 255.255.255.0 192.168.31.1 Gateway

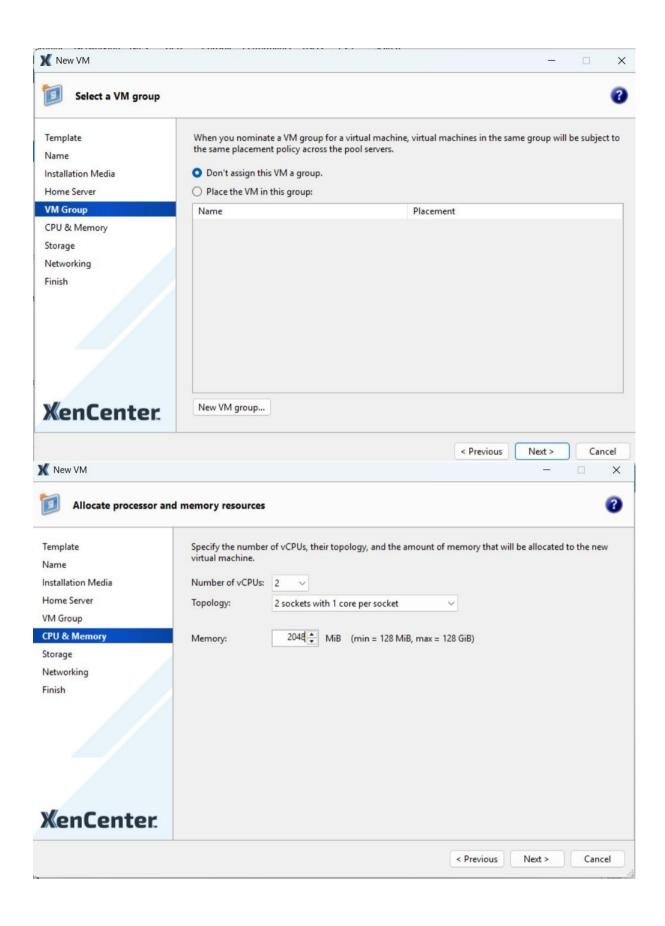
Press (Enter) to display the SSL key fingerprints for this host

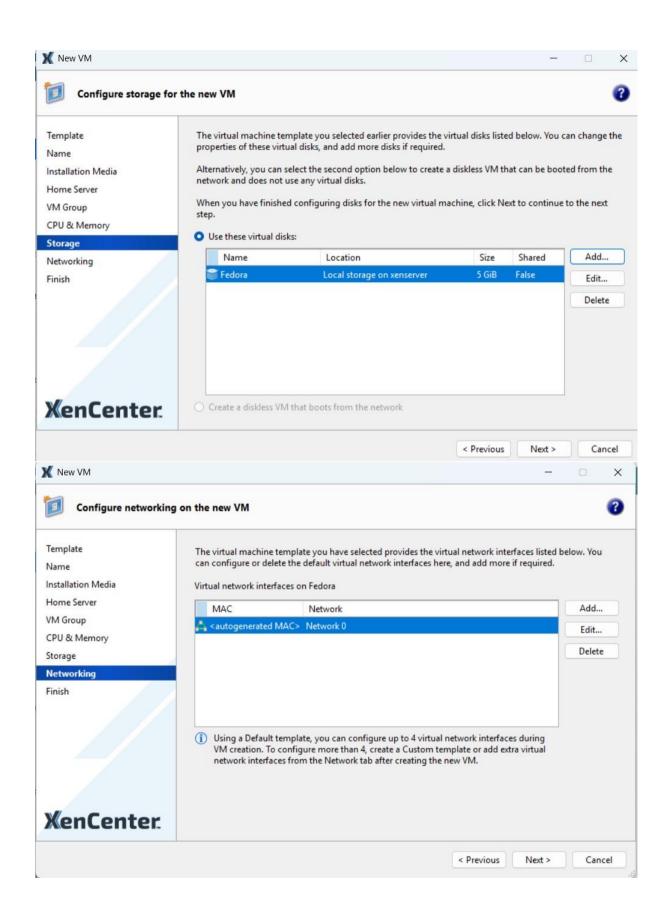
<Enter> OK <Up/Down> Select

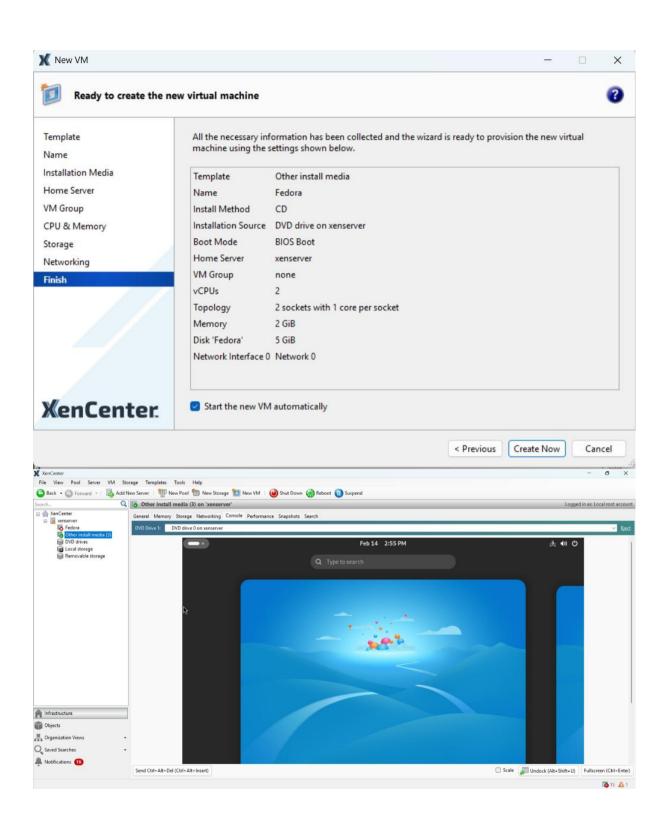
⟨Enter⟩ Fingerprints ⟨F5⟩ Refresh











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1. Server Virtuality	ation
	TO A CO. A. S. C.
1) Primary function	contrare multiple esterage - de
Abstracte physical	servere unta multiple pris
vunning con la la	single host.
0	is Benefit.
ii) Benefite:	ce utilization parame utilization hardware menoname utilization ut
Joligher vieraur	ce utilization
Cost sovings con	hardware manage will gold
Simplifies disaster	recovery.
	iii) Commen use sasse.
iii) Common use	Cloud storage (Amazon 53) 1910). Storage Area returned (Sans A. 2 wA) Desktop virtually etion:
Cloud reomputing (Aws Azura) Nouver Rent 20006
Data center	
	Desktop virtualization:-
2. Network wirtua	lization:
	I want the manil
1) Primary Junation	orevource to create virtual notest of physical hardware.
Abstract returner	oresources la create virtual
returarke undefe	ndent of physical hardware.
D Ronolitica	Centralized management
0 4 000:0:0.4.	, and scalability and stamp
greater fliribility	
Enhanced security	y with segmentation.
optimized traffic	c management.
	demand want environment.
111/ - 11 0 15(1)	Ill:
iii) (omman - we was	

3. Storage virtualization:-1. Sower Withoutington i) Primary Function: combiner multiple estrange devicer enta a single Storage hadre stre source harry strontedA slavies or now privious Mast ii) Berefite: -Better estrange utilization. Disaster veccoury. routopilite somesiere respilo Simplifies management surror no spilos too) iii) Comman use cases. Cloud storage (Amazon &) Storage Area network (SAN) who pulling soon buols 4. Desktop virtualization:-2. Network virtualization; i) Primary Function :-Rune user destrop as VM's son is central server and was be accepible viernotely outs Hosted returente independent of myeral handwane. ii) Benefite:-Centralized management 1) Benelille. Remote vaccer 1il) (ommer me/ care: -Remote work environment is commen - we verter.