UEEN3113 / 3413 Server Configuration and Management

Lab Test 1 Total: 50 marks

Perform the following steps before power on the virtual machine.

- Add an additional 5GB hard disks to the virtual machine.
- Change the "Network Connection" of the network adapter from NAT to Host-only. ii.
- iii. Save the settings and create a duplicate copy of the virtual machine to Desktop.

For each task, insert a screenshot that shows the commands executed / content of a file which has been modified.

Make sure your name is visible in the screenshot. Each screenshot contribute 1 mark. It is recommended to use nano to edit configuration file.

Instruction:

configuration:

	tart the virtual machine and complete the following tasks.]			
1.	Create a new user with the following information. • Username : your_full_name • Default password: scam605 • Home directory : /home/your_full_name			
	Command:	(2 marks)		
	Screenshot:			
2.	Allow the newly created user to perform sudo.			
	Command:	(2 marks)		
	Screenshot:			
[Log out from current session and login with your_full_name, your name should appear in the prompt.]				
3.	Configure the network interface to use static IP, in the network 192.168.40.101.			
	File to be edited:	(1 mark)		
	Command to check / show the network interface available:	(1 mark)		
	Screenshot:			

Modify the file to apply static IP and insert the screenshot of the file content with the static IP

(5 marks)

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Commands to make the new configuration of network interface takes effect:	(4 marks)		
Screenshot:			
[Repeat tasks $1-3$ in the second server. Assign static IP address $192.168.40.102$ to the second server.]			
Change the host name of second server to server2 . Command:	(2 marks)		
Screenshot:			
Check if both servers can communicate with each other.			
Command:	(2 marks)		
Screenshot:			
Check the status of ssh service.			
Command:	(1 mark)		
Screenshot:			
Check the port that ssh is listening to.			
Command:	(1 mark)		
Screenshot:			
Generate a pair of public / private keys in server2. You may leave the passphras	se empty.		
Command:	(1 mark)		
Screenshot:			
Copy the public key to server1.			
Command:	(2 marks)		
Screenshot:			
	Screenshot: speat tasks 1 – 3 in the second server. Assign static IP address 192.168.40.102 rver.] Change the host name of second server to server2. Command: Screenshot: Check if both servers can communicate with each other. Command: Screenshot: Check the status of ssh service. Command: Screenshot: Check the port that ssh is listening to. Command: Screenshot: Generate a pair of public / private keys in server2. You may leave the passphratic Command: Screenshot: Command: Screenshot: Command: Screenshot: Command: Command: Screenshot: Command:		

10.

Configure ssh to listen to port 10022.

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C	ommand:	(2 marks)	
S	creenshot:		
11.	Make the new configuration takes effect and check if ssh is listening to new por	t number.	
C	ommand:	(2 marks)	
S	creenshot:		
12.Configure the additional hard disk as a physical volume.			
C	ommand:	(1 mark)	
S	crenshot:		
13.Create a volume group named vg-db on the physical volume.			
C	ommand:	(1 mark)	
S	creenshot:		
	Create a logical volume named dbvol for vg-db group, assigned all free space to tolume.	he logical	
C	ommand:	(1 mark)	
S	creenshot:		
15.Find the full name of the logical volume.			
C	ommand:	(1 mark)	
S	creenshot:		
16.Format the logical volume as ext4 file system.			
C	ommand:	(1 mark)	
S	creenhot:		