Module 3 [Network Configuration]

Topic: Local area networking

• Assignment level Basic:

1. What is network

Ans- computer leptop and electronic devices that are interconnected for the purpose of exchanging data and sharing resources.

2. What is Internet & Intranet?

Ans- Internet a global computer network that allows for information exchange between devices.

• Assignment level Intermediate:

1. How many types of Network we used?

Ans- types of network

Lan

Man

Wan

Can

San

2.Different between LAN & PAN?

Ans-  PAN connects the devices within the 100mi range of an individual person, whereas a LAN connects devices at a single site, an home small building.

• Assignment level advance:

1.Explain LAN?

Ans- home small office and bilading

2.What are different types of LAN devices?

Ans-1 peer to peer

2.wired lan

3.touch bus

Topic: configured Network

• Assignment Level Basic

1.What is configured network?

Ans- configured network settings, policies, flows, and controls.

1.How do we configure network?

2.P address

3.Password

4.Default gateway

• Assignment level Intermediate.

1 .How to check the ip address?

Ans-You can also use the commands “ip addr” or “ip a”.

2 .How to check the ip address through cmd?

Ans- All IP information for all network adapters in use by Windows will be displayed.

3 .How can we enter static address in network adapter?

Ans-Right-click on Wi-Fi or Local Area Connection.

Click Properties.

Select Internet Protocol Version 4 (TCP/IPv4).

• Assignment Level Advanced

1.Do a practical to release the packets from the adapter.

Ans-done

2 .Do a practical to renew the lease of the ip address.

Ans-done

Topic: Wireless networking

• Assignment level Basic

1 .What is the difference between WEP and WPA?

Ans-Wired Equivalent Privacy, and WPA Wireless Protected Access.

2 .What is Wireless Network

Ans-connect devices within a relatively small area, that is generally within a person's reach.

• Assignment level Intermediate:

1 .What is a wireless network connection?

Ans-Connecting Devices. Bluetooth technology allows people to connect various devices.  Radio Frequency connections between nodes in the network.

2.What are the basic concepts of networking?

Ans-Networking basic hardware, software, and protocols.

• Assignment level advance:

1 .What do you need to know about networking?

Ans-LAN vs. WAN.

Clients and servers.

DNS lookup & IP addresses.

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1 .How do you explain computer networking?

Ans-provide access to information and data, which can be essential for businesses and individuals who need to access information quickly and efficiently.

Topic: THE Internet

• Assignment level Basic:

1 .What do you mean by the term URL?

Ans- Uniform Resource Locator

2 .Term which is used to see web pages is called what?

Ans- text, graphics, and hyperlinks to other web pages and files

• Assignment level Intermediate:

1 .In the Ethernet which topology is used?

Ans bus, ring, star and mesh topologies.

2 .Set of rules and regulations while working on internet, which term is used?

Ans-The Internet Protocol (IP)

• Assignment level advance:

1 .What do you mean by RAS?

Ans-Reliability, availability and serviceability

2 .What are the main search engines to get more website URL on Internet?

Ans-Google, Bing, Yahoo

3 .What does the PROTOCOL consist of?

Ans-a standardized set of rules for formatting and processing data

Topic: Virtualization

• Assignment level Basic:

1. What is Virtualization

Ans- the process of creating a software-based, virtual representation of a physical IT resource

3 .What is the Difference between Full Virtualization and Para Virtualization

Ans-while para virtualization requires modifications and uses hypercalls for communication.

• Assignment level Intermediate:

1 .What is Hyper-visor?

Ans-software that creates and runs virtual machines (VMs).

2 .What are different hypervisors available in Linux?

Ans-software that creates and runs virtual machines (VMs).

3.What is Virtualization and what are its types

Ans-Virtualization types  servers, storage, networks,

• Assignment level advance:

1. Name the components that are used in VMware infrastructure What is benefits of Virtualization?

Ans- greater application performance, increased cost savings and easier management.