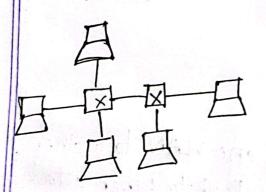
Tunnelling - preprocess the data_ Encryption

22:11:22

VLAN - Virtual LAN

is a logical grouping of devices in the same broadcast domain.



19/4 1

Seperate numbering

1-4094

L VLAN address.

VLANO & VLAN 4095

Reserved:

Default

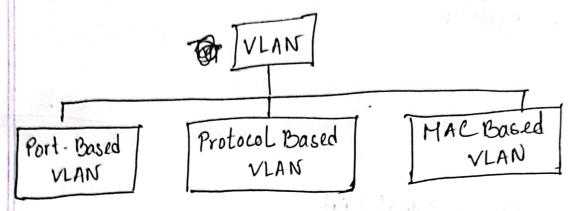
(can't be deleted), can be used in controlling

VLAN2 - VLAN 1001: - Normal VLAN range

VLAN 1002 -VLAN 1005 CISCO default VLANS

VLAN 1006 - VLAN 1094 - Extended range

3 types of VLAN:



- -> Latency is less in VLAN than LAN
- -> Schup, maintainence easier.

Disadvantages of VLAN:

- A packet can leak from one VLAN to another
- An injected packet may lead to exper attack
- A single threat may spread virus through whole legical network.
- Problems in interoperability
- A VLAN can not forward network traffic to other VLAN

VLAN is used

- -) If there are more than 200 devices in LAN
- -> Huge traffic

06.12.22

Slide - 13

DNS

website address used in place of numeric network address.

-> ease of users.

Question

Answer -> resources needed

Authority

Additional

DNS Hierarchy

-root domain_ subdomain (· com, · edu ... Domain - range of permitted values

Inslookup

Slide-13 Networking Security

Assets -> people of an organization; equipment resources, data

Vulnerability -> weakness in a system or design or functionality.

Threat -> potential danger to company's asset

Exploit - taking advantage

Risk Mitigation

1 types of the threats.

- -> Information theft
- -> Data Loss of manipulation
- → Identity Theft → Disruption of service

Types of vulnerabilities

- → Technological

 → Configuration

 → Security policy