. Virtual Local Area Network.

A VLAN or virtual LAN is one which we can configure in a switch to create a broadcast domain.

A VLAN allows a group of devices to communicate directly (on layer 2) but does not allow said group to communicate with other VLANs. If there is a need to communicate with other VLANs, it must be routed (layer 3).

Example.

HR Department's Computers are on VLAN 10.

VLAN 20: Contains Computers belonging to Finance. Devices within VLAN 10 can communicate with one another, likewise VLAN 20 devices.

2. Inter-VLAN Routing.

The process of allowing communication between multiple VLANs is known as inter-VLAN routing.

Use a Layer 3 device, like a router or a Layer 3 switch, to transfer data traffic between VLANs.

Example.

To allow communication between VLAN 10 (HR) and VLAN 20 (Finance), a router or Layer 3 switch is configured. For example, the firms may use a printer or a server in common.. Virtual Local Area Network.

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