



Course: Computer and Communication Networks

Topic: Backbone network and Virtual LAN

*Presentation by
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Assistant Professor

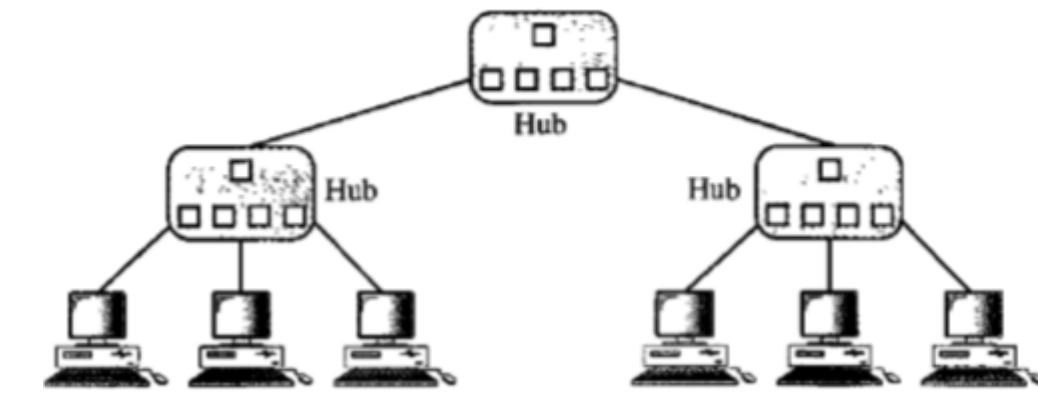
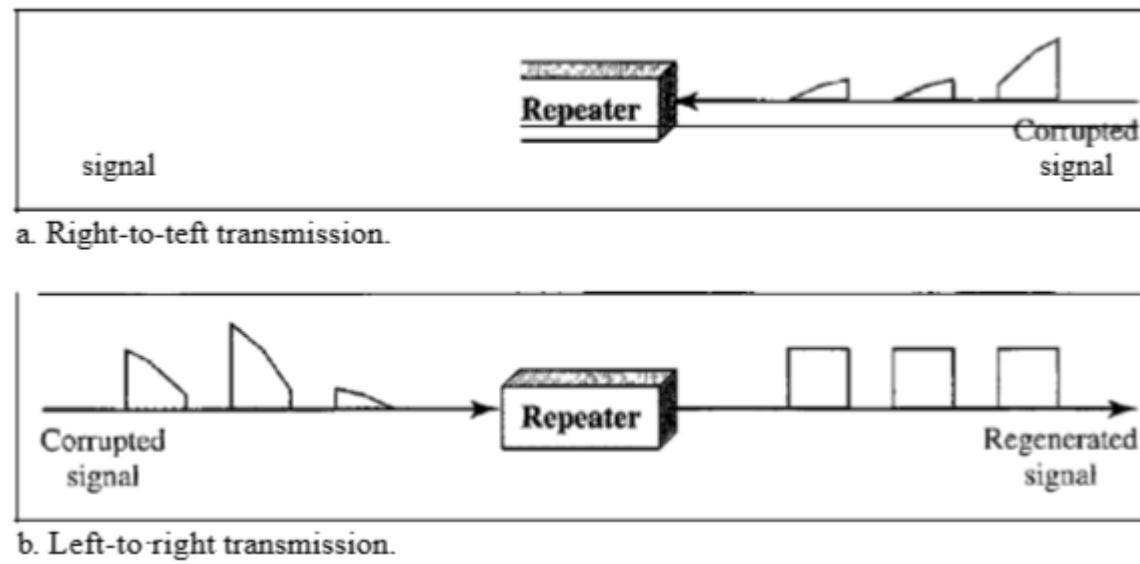
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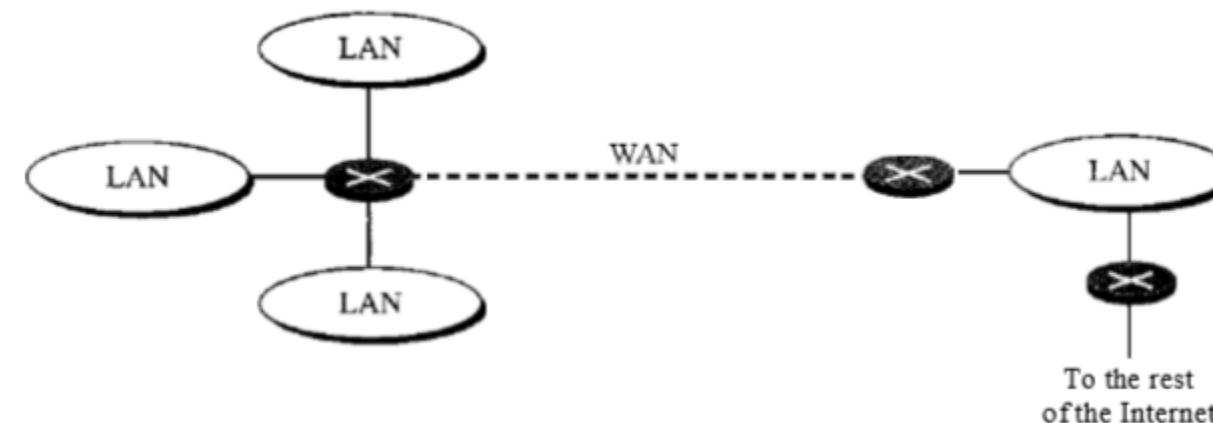


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Connecting Devices



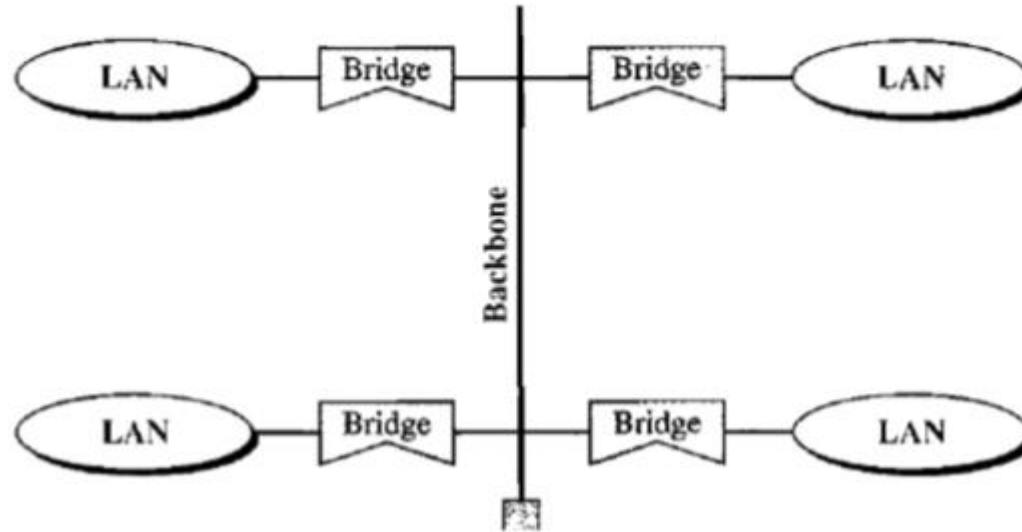
Repeater



Hub

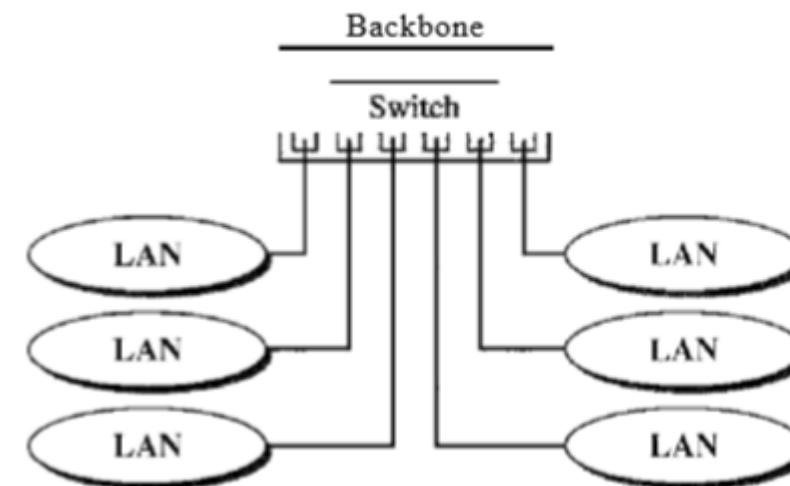
Routers

Backbone network



Bus Backbone

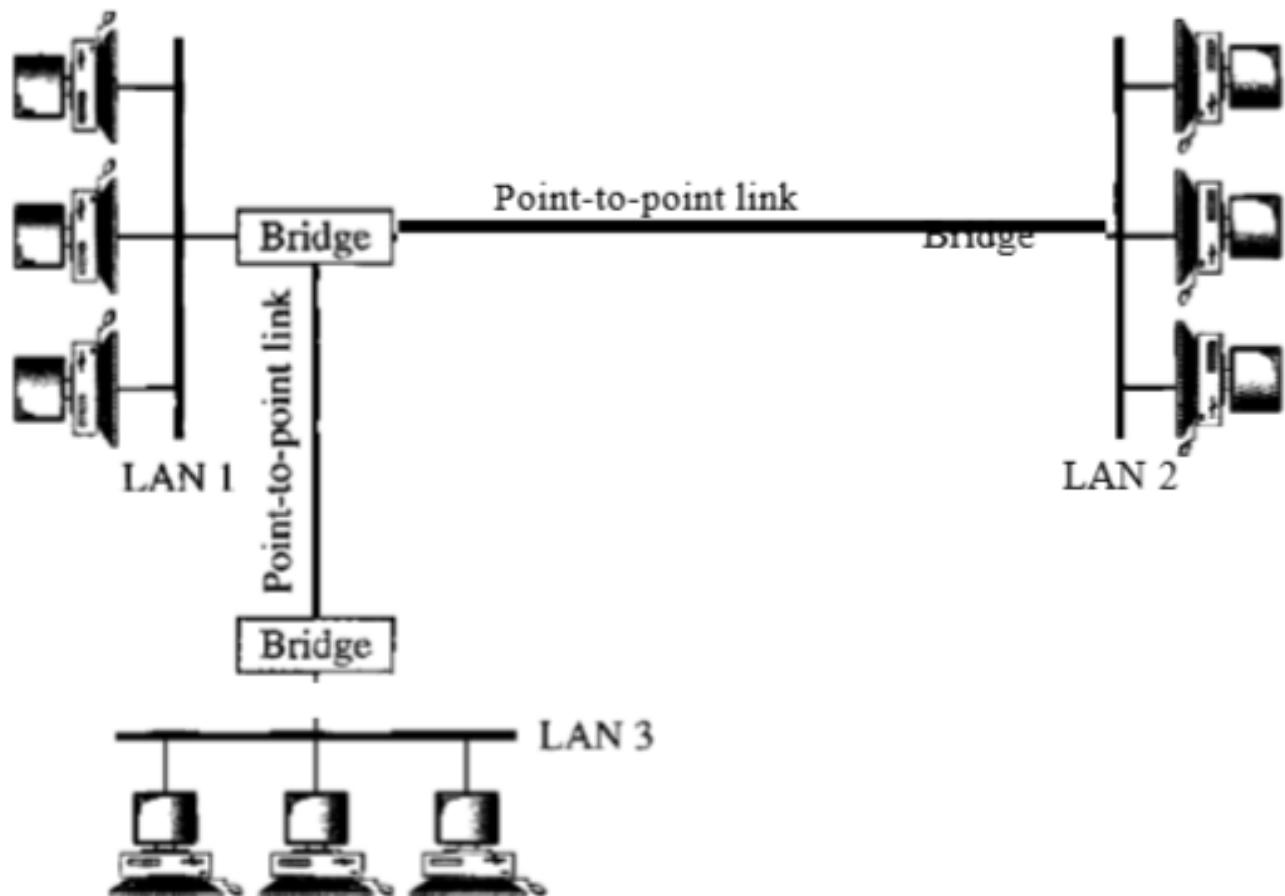
The topology of the backbone is a bus.
Which can use one of the protocols that support a bus topology such as 10Base5 or 10Base2



Star Backbone

The backbone is just one switch

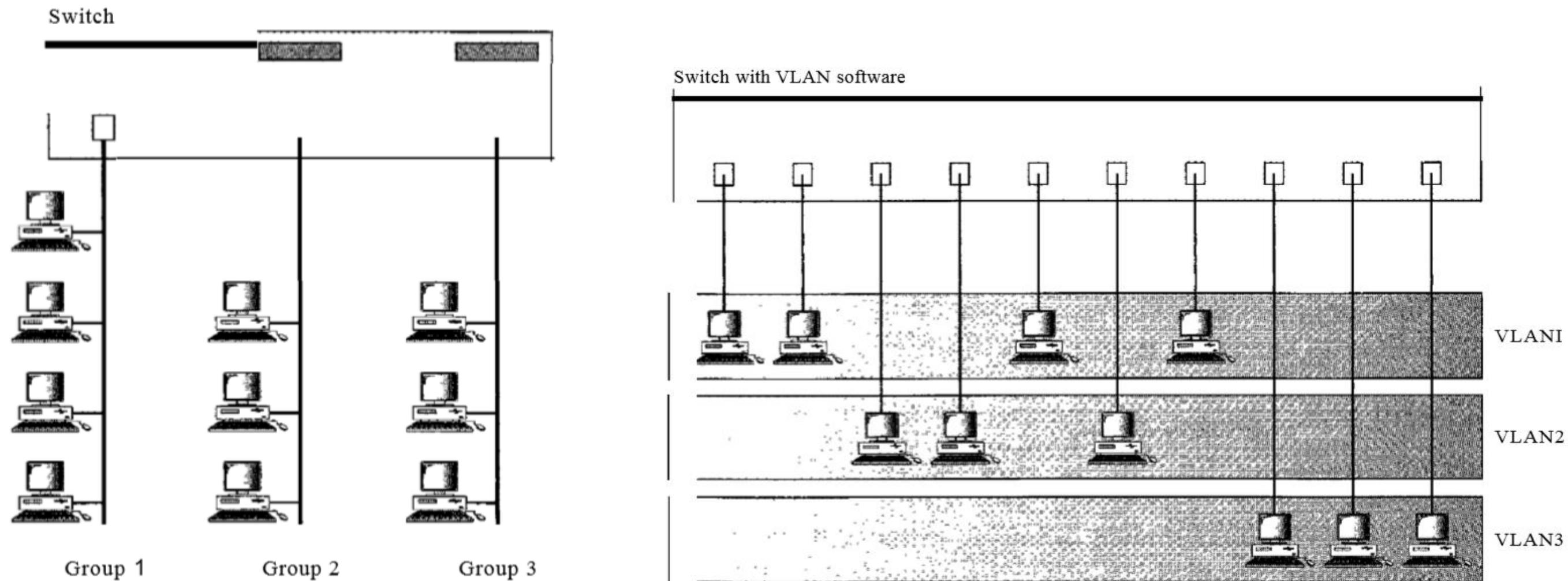
Backbone network



A point-to-point link acts as a LAN in a remote backbone connected by remote bridges.

Connecting remote LANs with bridges

Virtual LAN



A switch connecting three LANs

The whole idea of VLAN technology is to divide a LAN into logical, instead of physical, segments

Virtual LAN

