

FACULTY OF ENGINEERING & TECHNOLOGY

BCA-302Computer Networks

Lecture-32

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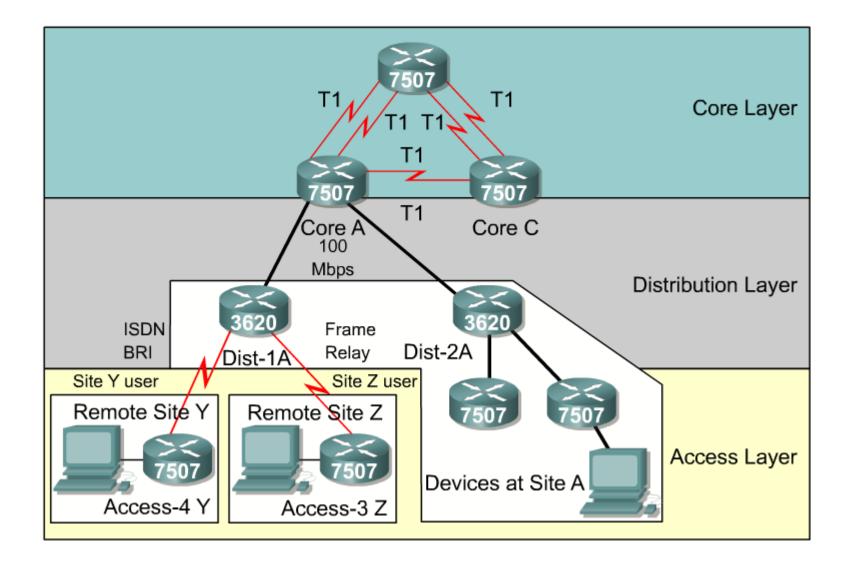


>WAN COMMUNICATION

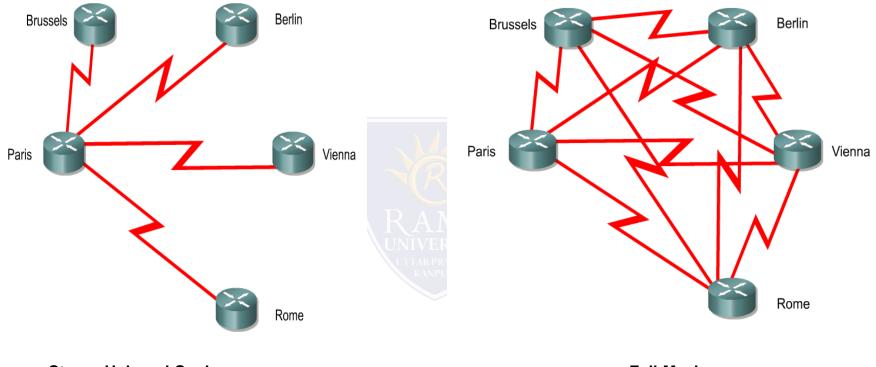
>WAN TOPOLOGIES



ANOTHER THREE LAYER MODEL

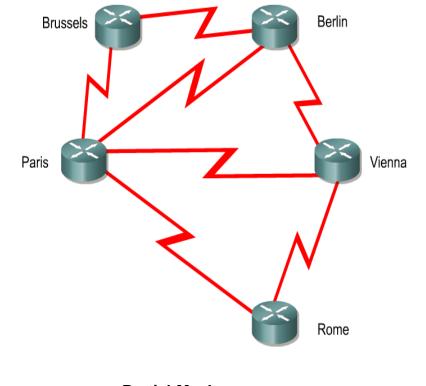


WAN TOPOLOGIES



Star or Hub-and-Spoke

Full-Mesh



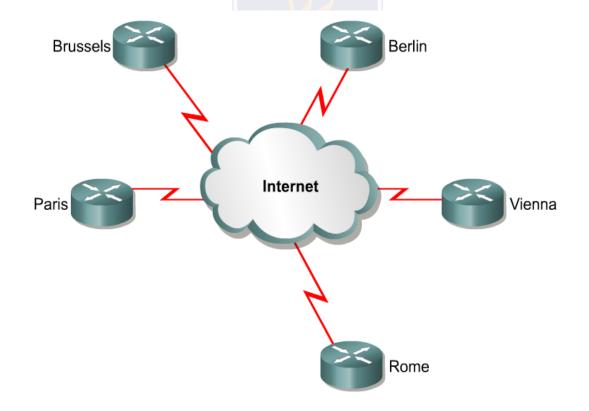
Partial-Mesh

Technology	Charge	Max Bit Rate	Other
Leased Line	Distance, capacity	Unlimited	Permanent fixed capacity
Basic Telephone	Distance, time	33 kbps	Dialed, slow connection
ISDN	Distance, capacity	64 or 128 kbps <2 Mbps, PRI	Dialed, fast connection
X.25	Volume	<48 kbps	Switched fixed capacity
Frame Relay	Capacity	<4 Mbps	Permanent variable capacity
ATM	Capacity	<155 Mbps	Permanent variable capacity

•The disadvantage of permitting multiple links, is that the whole enterprise WAN is open to Internet-based attacks.

- •It is also difficult to monitor and secure the many connection points.
- A single connection point is more easily monitored and secured, even though the enterprise WAN will be carrying

some traffic that would otherwise have been carried on the Internet.



MUTIPLE CHOICE QUESTIONS:

Sr no	Question	Option A	Option B	OptionC	OptionD
1	The underlying Transport layer protocol used by SMTP is	ТСР	UDP	Either TCP or UDP	IMAP
2	Choose the statement which is wrong incase of SMTP?	It requires message to be in 7bit ASCII format	It is a pull protocol	It transfers files from one mail server to another mail server	SMTP is responsible for the transmission of the mail through the internet
3	Internet mail places each object in	Separate messages for each object	One message	Varies with number of objects	Multiple messages for each object
4	Typically the TCP port used by SMTP is	25	35	50	15
5	A session may include	Zero or more SMTP transactions	Exactly one SMTP transactions	Always more than one SMTP transactions	Number of SMTP transactions cant be determined

http://www.engppt.com/2009/12/networking-fourozan-ppt-slides.html

