FACULTY OF ENGINEERING & TECHNOLOGY

DCS-503 Computer Networks

Lecture-33

Mr. Dilip Kumar J Saini
Assistant Professor
Computer Science & Engineering
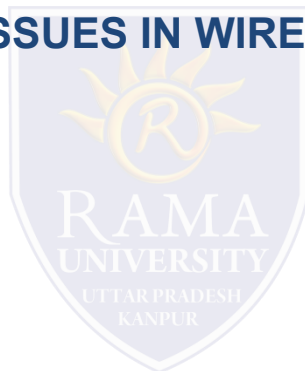
OUTLINE

➢**THE NETSTAT COMMAND**

➢**THE NSLOOKUP COMMAND**

➢**HARDWARE AND CONNECTION ISSUES IN WIRED & WIRELESS NETWORKS**

➢**LED INDICATORS**

➢**CABLE ISSUES**

THE NETSTAT COMMAND

Views open connections on a host

Informs user about:

– protocols

– local address

– port numbers

– connection state

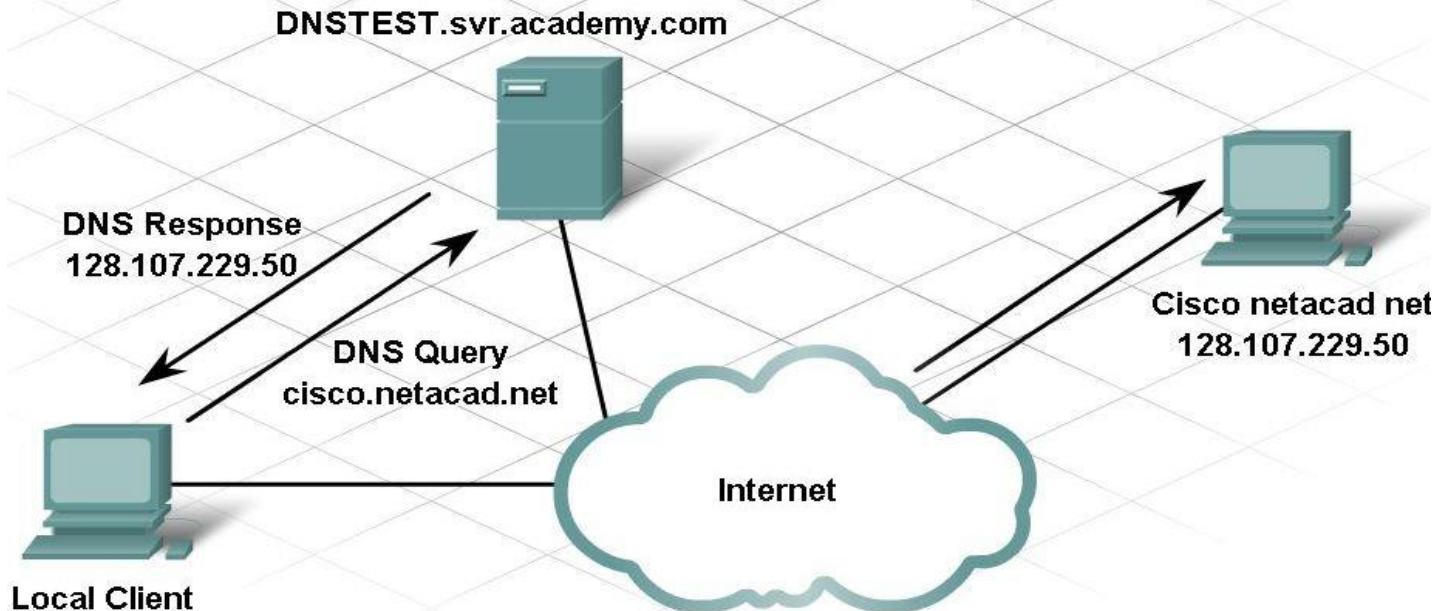# THE NSLOOKUP COMMAND

Allows end user to look up information about DNS name and DNS server

Used as a troubleshooting tool to see if DNS server has the correct IP with the correct name

Use divide-and-conquer technique

To determine where the problem exists:

- ping from wireless client to default gateway

- ping from wired client to default gateway

- ping wireless client to wired client
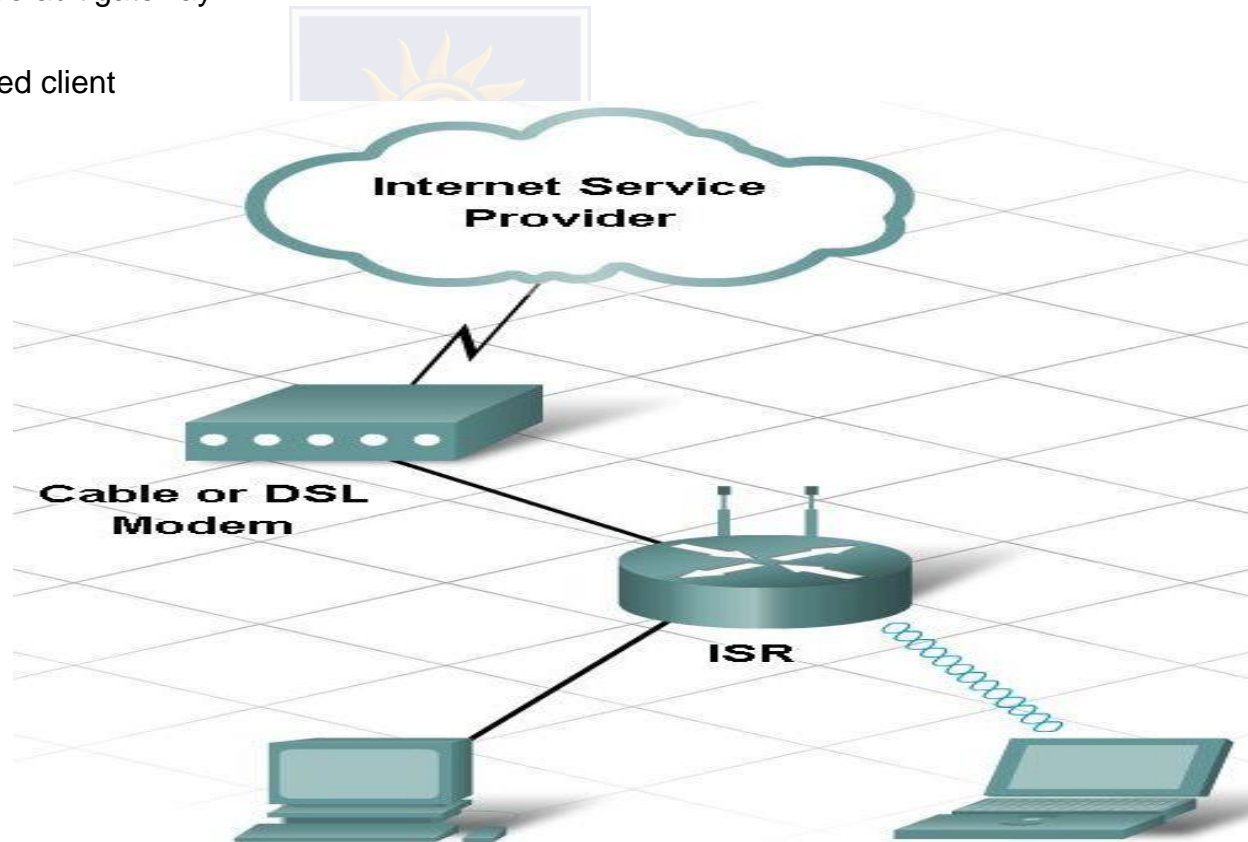
LED INDICATORS

Used to show activity

Security LED

solid green = security enabled

Link Lights

solid green = plugged in with no traffic

flashing green = plugged in with traffic

amber = making adjustments

Power LED

solid green = operational

Security LED

Wireless Activity LED
Internet Activity LED
Ethernet Activity LED

Power LED
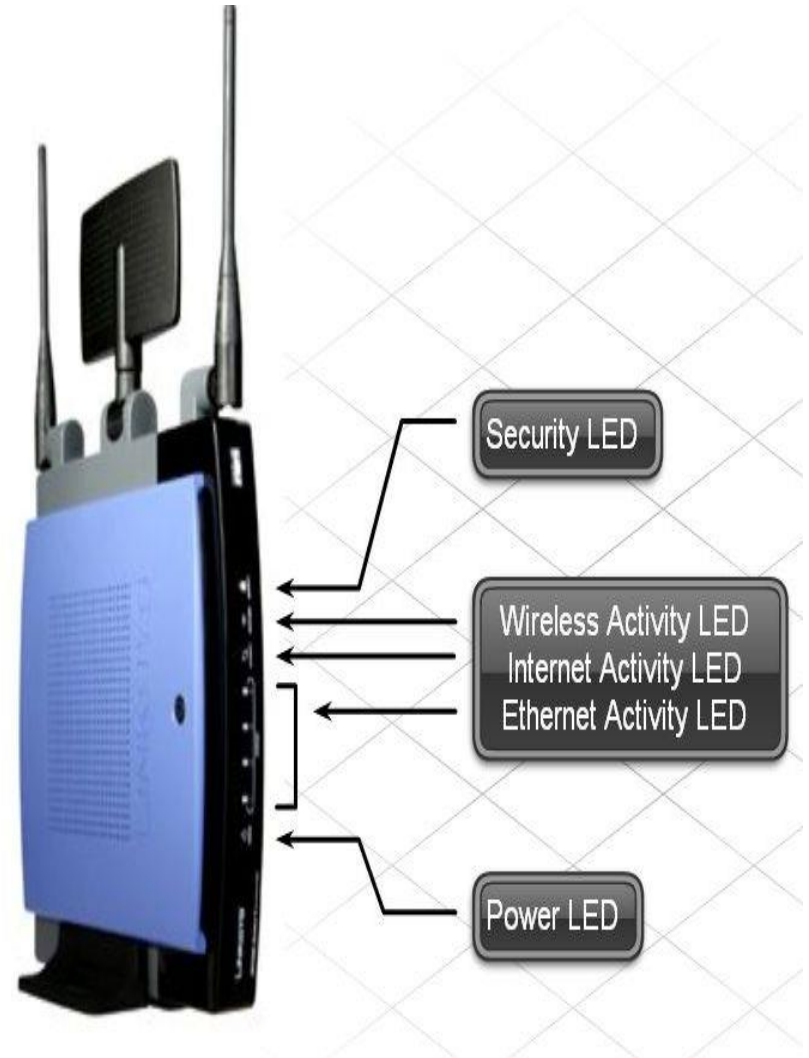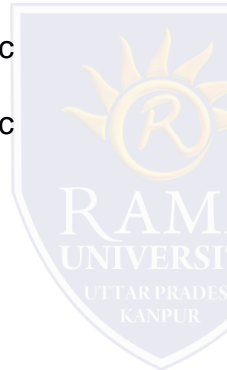
One of the most common problems

Check for:

▪ correct cable type

▪ improper cable termination

▪ too long of cable runs

▪ verify correct ports
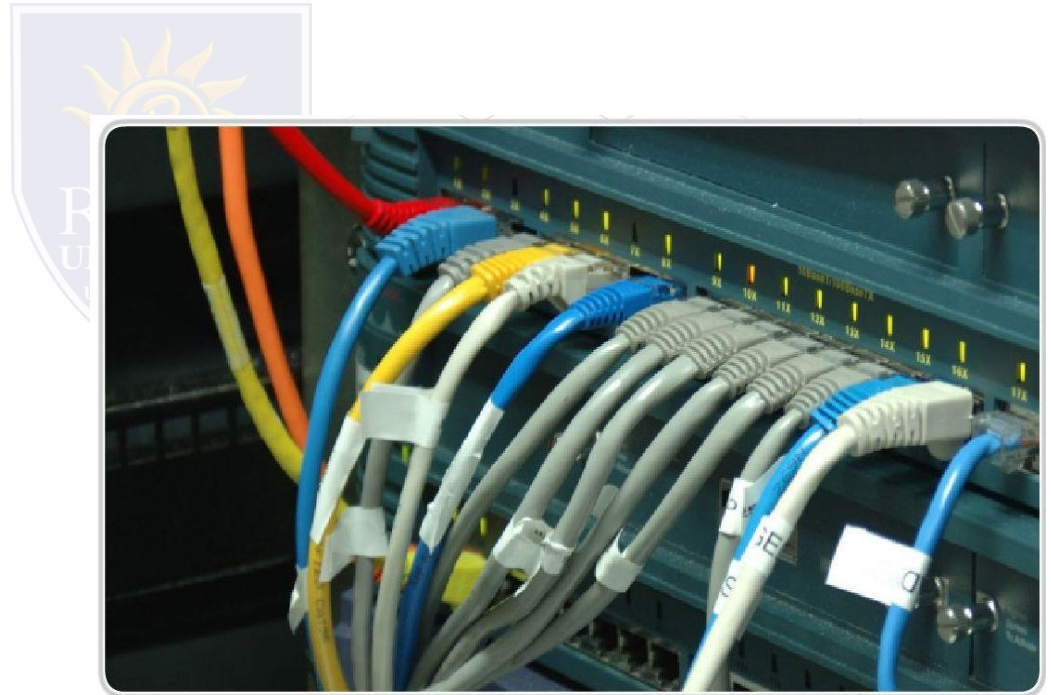
▪ protect cables from damage

MUTIPLE CHOICE QUESTIONS:

Sr no	Question	Option A	Option B	OptionC	OptionD
1	Which one of the following is not used to generate dynamic web pages?	PHP	ASP.NET	JSP	CSS
2	The term that is used to place packet in its route to its destination is called _____	Delayed	Urgent	Forwarding	Delivering
3	A second technique to reduce routing table and simplify searching process is called _____	Network-Specific Method	Network-Specific Motion	Network-Specific Maintaining	Network-Specific Membership
4	Next-Hop Method is used to reduce contents of a _____	Revolving table	Rotating Table	Routing Table	Re-allocate table
5	Several techniques can make size of routing table manageable and also handle issues such as _____	Maturity	Error reporting	Tunneling	Security

REFERENCES

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