

## FACULTY OF ENGINEERING & TECHNOLOGY

# DCS-503 Computer Networks

Lecture-36

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## **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:

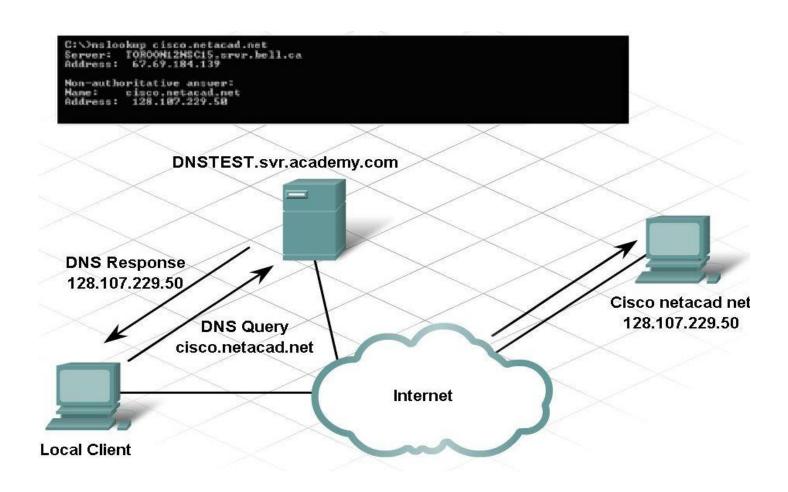
- protocols
- local address
- port numbers
- connection state



### 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

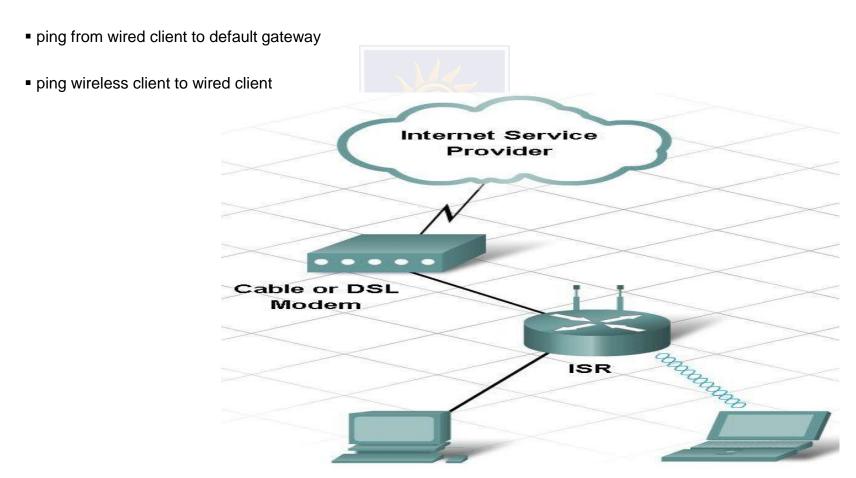


## HARDWARE AND CONNECTION ISSUES IN WIRED & WIRELESS NETWORKS

#### Use divide-and-conquer technique

To determine where the problem exists:

ping from wireless client to default gateway



## **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



## **CABLE ISSUES**

#### 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



# **Multiple Choice Question**

## **MUTIPLE CHOICE QUESTIONS:**

Sr no	Question	Option A	Option B	OptionC	OptionD
1	During teardown phase, the source, after sending all the frames to destination, sends a to notify termination.	teardown response	teardown request	termination request	termination response
2	Delay of the resource allocated during setup phase during data transfer is	constant	increases for each packet	same for each packet	different for each packet
3	Delay of the resource allocated on demand during data transfer is	Constant	increases for each packet	same for each packet	different for each packet
4	In virtual circuit network, the number of delay times for setup and teardown respectively are	1 and 1	1 and 2	2 and 1	2 and 2
5	In data transfer phase, how many columns does the table contain?	1	2	3	4

## **REFERENCES**

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

