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Topic: Lab B Network Troubleshooting

A screenshot of a computer

Description automatically generated

Snippet: 1.1.4

A computer screen with white text

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Snippet:1.1.6

A screenshot of a computer

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Snippet: 1.1.10

A screenshot of a computer

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Snippet: 1.1.11

What does the nslookup command do?

Nslookup or also known as Name server lookup is a command used to fetch information from the DNS server.

If a client does not have the correct DNS server address specified in its TCP/IP properties, what will occur?

The client will be restricted from browsing the internet or even look up the incorrect target URL in the search engine. The client will be unable to join a domain and there will be a name resolution failure.

A screenshot of a computer

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Snippet: 2.1.6

A screenshot of a computer

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Snippet: 2.1.10

A screenshot of a computer

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Snippet: 2.1.24

A screenshot of a computer

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Snippet: 2.1.26

According to the DHCP server configuration, what range of IP addresses could this machine been assigned by DHCP?

192.168.12.15 through 192.168.12.30 are the Ips that could be assigned by DHCP.

A screenshot of a computer error

Description automatically generated

Snippet:3.1.2

A computer screen shot of a black screen

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Snippet: 3.1.3

3.3.1: What is the function of the ipconfig/release and the ipconfig/renew commands?

The command ipconfig/release when executed forces the user to end its lease period by sending the server a DHCP release command and that updates the status of the server information. This triggers the previous client IP as available where as renew command is used to request a new IP address.

3.3.2: What type of devices would be better served to have static IP configuration?

Ideally static IP configuration is used for servers, routers, printers, specialized workstations and switches.