LAB 6 REPORT

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Part 1: Practice with Different Types of IPv6 Addresses

A screenshot of a computer

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Step 2: Practice compressing and decompressing IPv6 addresses.

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Part 2: Examine a Host IPv6 Network Interface and Address

Step 1: Check your PC IPv6 network address settings.

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Step 2: Verify the IPv6 address settings using the Command Prompt.

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IPV6 link local address: fe80::5aed:6f01:d9a8:d64e%5

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Reflection Questions

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Part 1 and 2: Run Simulation Mode and set event filters

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Part 3: Request a Web Page from the PC

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PART C: Application Layer services observe DNS Name Resolution

Part 1: Observe DNS Conversion

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Step 2: Verify DNS operation using the nslookup command.

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Typing ? to see a list of all the available commands that you can use in nslookup mode.

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What is the translated IP address?

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Is the IP address an IPv4 address or an IPv6 address?

It resolved both IPv4 and IPv6 addresses.

Is it the same as the IP address shown with the ping command?

Yes

At the prompt, type the IP address of the Cisco web server that you just found. What is the Name result?

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Step 3: Identify mail servers using the nslookup command

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A screenshot of a computer

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Reflection questions

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