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Question: A. Consider a network comprising three nodes A (at Lahore), n···

Consider a network comprising three nodes A (at Lahore), node B (at Karachi), and node C (at Multan) connected to the internet. The Web Server is in Peshawar and the DNS Server is in Quetta.   [10]

a. Node A in Lahore opens www.google.com in the browser. Do we need the DNS Server to open the website?

b. Before HTTP data can be sent or received from node A to the Web Server, what must be established first?

c. How does the webserver in Peshawar differentiate between the connections, if all three nodes (A at Lahore, B at Karachi, and C at Multan) opens www.google.com in their respective browser?

d. If the DNS Server in Quetta goes down while transferring data between the web server and the host, will the communication be disrupted between the Web Server and nodes?

e. How does the Web Server differentiate between the communications if node C in Multan opens two instances of www.google.com website?

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Expert Answer ⓘ

👤 **Anonymous** answered this
13 answers

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a)

When, a client searches for www.google.com in the browser at node A, a query is sent to DNS server regarding IP address of the domain name(www.google.com) . then, DNS server, sends the IP address of the domain name(www.google.com). Now, browser sends a HTTPS request to web server using the IP address obtained. and then, browser opens google using the information sent by web server. Hence, we need DNS server.

b)

Before HTTP data can be sent or received from node A to webserver, IP address of the server must be eastablished at node A.

c)

d)

The DNS server is required only for retrieving the IP address associated with a name. Once the IP address is retrieved, the DNS server is not required, until the next time the user tries to access the website and the information is not available in the local DNS cache of the computer.

e)

When two instances of www.google.com opened at node C, both of them get differentiated by an unique ID sent to server while opening respective instance in form of HTTPS request.
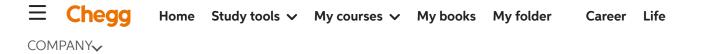
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Q: In a cyclotron A) why do particles having different speeds take the same amount of time to complete a one-half circle trip around on dee? b) what happens to T if you double magnetic field B? C) What happens to T if you double particle mass m?

A: See answer   100% (1 rating)

Q: Absinth Co. specializes in manufacturing serial ATA cables and optical drives. These component parts are purchased by Belcom Inc., a hardware manufacturing company, and are assembled, along with other parts, in the manufacturing of personal computers. Edward already owns a personal computer, but he wants to upgrade his system. He only purchases the components he needs to revamp his...

A: See answer   100% (2 ratings)

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