



1Y0-351^{Q&As}

Citrix NetScaler 10.5 Essentials and Networking

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QUESTION 1

On a load-balancing virtual server with multiple bound services, Redirect URL will be invoked when _____.
(Choose the correct phrase to complete the sentence.)

- A. a backup virtual server has been configured
- B. Health Based Spillover has been configured
- C. one of the bound services is marked as DOWN
- D. the load-balancing virtual server is marked as DOWN

Correct Answer: D

QUESTION 2

A network engineer has enabled BGP routing.

Which two additional features should the network engineer enable for BGP routing to function? (Choose two.)

- A. Layer 2 mode
- B. Layer 3 mode
- C. Dynamic routing
- D. MAC based forwarding

Correct Answer: BC

QUESTION 3

A network engineer is investigating issues and suspects that a new server that has been recently added to the environment has the same IP address as a virtual server that is configured on the NetScaler.

Which command could the engineer run to check the logs that will contain such details?

- A. nsconmsg -K newslog -d stats
- B. nsconmsg -K /var/nslog/newslog -d consmsg
- C. nsconmsg -K /var/nslog/newslog -s ConLb=1 -d oldconmsg
- D. nsconmsg -K /var/nslog/newslog -s ConMon=x -d oldconmsg

Correct Answer: B

QUESTION 4



Scenario: A NetScaler engineer needs to enable access to some web servers running on an IPv6 only network. The clients connecting the services are on an IPv4 network. The engineer has already enabled IPv6 on the NetScaler.

What does the engineer need to do in order to provide access to the services on the IPv6 network?

- A. Create an IPv6 tunnel and a IPv4 virtual server.
- B. Configure an IPv6 VLAN and bind the required interface.
- C. Create a IPv4 virtual server and bind the service group to it.
- D. Create an IPv6 ACL and a IPv4 virtual server and bind the ACL to the virtual server.

Correct Answer: C

QUESTION 5

An end user is receiving authentication errors when accessing a load-balancing virtual server that uses Authentication, Authorization and Access (AAA)-TM. Which shell command should a NetScaler Engineer execute to show AAA events in real time to help diagnose this issue?

- A. tail /tmp/aaad.debug
- B. cat /tmp/aaad.debug
- C. grep aaa /tmp/nskrb.debug
- D. egrep aaa /tmp/pitboss.debug

Correct Answer: B

QUESTION 6

Which load-balancing method is used in connection mirroring and firewall load balancing?

- A. URL Hash
- B. Source IP Source Port Hash
- C. Destination IP Hash
- D. Call ID Hash

Correct Answer: B

QUESTION 7

A company has two sites that host six cache web servers that are used to promote sales information.

Which feature on the NetScaler should an engineer enable to provide faster application performance and also provide additional capacity if the demand increases for one site?



- A. Load balancing
- B. Integrated Cache
- C. Responder Policy
- D. Content switching

Correct Answer: A

QUESTION 8

A network engineer wants to collect performance statistics regarding the traffic between different points in the connection, specifically from client-to-NetScaler and from NetScaler to back-end server, and be able to present this to different analysis tools.

Which feature on the NetScaler could the engineer use for this?

- A. Syslog
- B. nstrace
- C. AppFlow
- D. nsconmsg

Correct Answer: C

QUESTION 9

Which two are HTTP response codes from a successful cache hit by default? (Choose two.)

- A.
- B.
- C.
- D.

Correct Answer: AC

QUESTION 10

Scenario: For security reasons, the NSIP needs to be configured to only be accessible on interface 0/1, which is VLAN 300.

The NSIP address is 10.110.4.254 and the subnet mask is 255.255.255.0.

How would the network engineer achieve this configuration?



- A. set ns config -nsvlan 300 -ifnum 0/1
- B. set ns ip 10.110.4.254 -gui ENABLED -vrID 300
- C. add vlan 300 set ns ip 10.110.4.254 -mgmtAccess ENABLED
- D. set ns config -IPAddress 10.110.4.254 -netmask 255.255.255.0

Correct Answer: A

QUESTION 11

What should a network engineer do to prevent unauthorized users from using the root user account?

- A. Reset the nsroot account.
- B. Change the nsroot password.
- C. Create an authorization policy.
- D. Bind a policy to the root user account.

Correct Answer: B

Changing the Password of the Default User Account

The default user account provides complete access to all features of the Citrix SDX appliance. Therefore, to preserve security, the nsroot account should be used only when necessary, and only individuals whose duties require full access should know the password for the nsroot account. Citrix recommends changing the nsroot password frequently. If you lose the password, you can reset the password to the default by reverting the appliance settings to factory defaults. You can change the password of the default user account in the Users pane. In the Users pane, you can view the following details:

Name Lists the user accounts configured on the SDX appliance. Permission Displays the permission level assigned to the user account.

To change the password of the default user account On the Configuration tab, in the navigation pane, expand System, and then click Users. In the Users pane, click the default user account, and then click Modify. In the Modify System User dialog box, in Password and Confirm Password, enter the password of your choice.

Click OK.

QUESTION 12

Scenario: A NetScaler Engineer is configuring LACP (Link Aggregation Configuration Protocol) on the NetScaler. The engineer adds interface 10/3 and 10/4 to LA/1 (which already contains interfaces 10/1 and 10/2) and is configured for VLAN

500.

VLAN 100 is bound to interface 10/3 and VLAN 200 is bound to interface 10/4.

VLAN 500 is bound to channel LA/1.



Which VLAN is shown with a "show interface" command for interface 10/3?

- A.
- B.
- C.
- D.

Correct Answer: D

QUESTION 13

Scenario: A network engineer has created two selectors to use to populate a cache group in integrated caching.

One selector, "Hit," will determine what to add to the group. The other, "Inval", will select what should be invalidated. Which command should the engineer run to create the cache group?

- A. add cache contentgroup CacheGroup1 -hitParams Hit -invalParam Inval
- B. add cache contentgroup CacheGroup1 -hitSelector Hit -invalSelector Inval
- C. set cache contentgroup CacheGroup1 - hitParams Hit -invalParam Inval -type HTTP
- D. set cache contentgroup CacheGroup1 -hitSelector Hit - invalSelector Inval -type HTTP

Correct Answer: B

QUESTION 14

Scenario: A network engineer created an IPv6 virtual server on the NetScaler. The virtual server is using a service group with two IPv4 servers bound to it. When testing access to the virtual server from a client configured with an IPv6 address, he is unable to connect.

What could be the reason for this issue?

- A. The NetScaler is disabled for NAT.
- B. IPv6 protocol translation is disabled.
- C. An IPv6 address on the NetScaler is not bound to the correct VLAN.
- D. The NetScaler does not have an INAT rule to convert IPv4 to IPv6 from the back-end servers.

Correct Answer: B

QUESTION 15

Scenario: A NetScaler Engineer creates a new HTTP VServer using the following command:



```
add lb vserver lb_test HTTP 172.20.10.85 80 -lbMethod LEASTCONNECTION -persistencetype COOKIEINSERT -timeout 0 -authentication ON -cacheable YES
```

During testing, the engineer notices a cookie named NSC_iuuq2 with a value of:

```
ffffff020a1d1545525d5f4f58455e445a4a423660
```

What is the purpose of this cookie?

- A. It indicates that the client has been authenticated.
- B. It indicates that the client has NOT been authenticated.
- C. It is used for persistence, describing only the VServer ID and Service IP.
- D. It is used for persistence, describing the VServer ID, Service IP and Service Port.

Correct Answer: D

QUESTION 16

A network engineer selected the option on a SSL certificate to provide notification upon expiration of the certificate; however when a certificate expires, NO notification is sent to the engineer. Which step could the engineer take to enable notification?

- A. Configure SNMP.
- B. Create a SSL policy.
- C. Enable the SSL offload feature.
- D. Ensure that the certificate is linked to a Root certificate.

Correct Answer: A

QUESTION 17

A network engineer has enabled USIP and USNIP and set a unique IP address as the source IP using the proxyIP parameter on an INAT policy. Which is the correct order of precedence for the IP addresses?

- A. Unique IP-USIP-MIP-Error
- B. USIP-unique IP-USNIP-MIP-Error
- C. USIP-Unique IP-MIP-USNIP-Error
- D. USIP-USNIP-MIP-Unique IP-Error

Correct Answer: B

QUESTION 18



Scenario: An engineer has a NetScaler system with NSIP 192.168.10.1 with subnet mask 255.255.0.0. The company changed the IP network to use subnet mask 255.255.255.0.

Which two commands could the engineer run to modify the subnet mask of the NSIP? (Choose two.)

- A. ifconfig
- B. configns
- C. set ns ip
- D. add ns ip

Correct Answer: BC

QUESTION 19

When using static proximity load-balancing method for a Global Server Load Balancing (GSLB) virtual server, there must be a match between the IP addresses in the custom/static database to the IP address of the _____ so that it is associated with a given location. (Choose the correct option to complete the sentence.)

- A. GSLB service
- B. ADNS service
- C. Load-balancing server
- D. Client local DNS (LDNS)

Correct Answer: A

QUESTION 20

Scenario: A network engineer needs to provide web server administrators with access to monitoring and reporting after changing the default root password during the initial setup of the NetScaler. The engineer needs to ensure that the web server administrators can perform this task.

What should the engineer do in order to ensure that the administrators are able to log on to the NetScaler?

- A. Create a group.
- B. Create user accounts.
- C. Create an authorization policy.
- D. Create an authentication policy.

Correct Answer: B

QUESTION 21



On which two types of virtual servers is the SOURCEIP persistence type supported? (Choose two.)

- A. HTTPS
- B. RTSP
- C. SSL_Bridge
- D. SIP_UDP

Correct Answer: AC

QUESTION 22

Which two authentication types on the NetScaler support password changes? (Choose two.)

- A. TACACS+
- B. LDAP (TLS)
- C. LDAP (SSL)
- D. RADIUS (PAP)
- E. LDAP (PLAINTEXT)
- F. RADIUS (MSCHAPv2)

Correct Answer: BC

QUESTION 23

When configuring an advanced HTTP callout based on attributes, what are two valid parameters?

(Choose two.)

- A. SSL cipher type
- B. Down state flush
- C. Gateway address
- D. IP address and port
- E. URL stem expression

Correct Answer: DE

QUESTION 24

Scenario: A call center has deployed Access Gateway Enterprise to provide its employees with access to work



resources from home. Due to the number of available licenses, only selected employees should access the environment remotely based on their user account information.

How could the engineer configure access to meet the needs of this scenario?

- A. Configure a Pre-authentication Policy.
- B. Configure an Authentication Server using a search filter.
- C. Configure an Authentication Policy using Client based expressions.
- D. Add the selected employee accounts to the Local Authentication policy.

Correct Answer: B

<http://support.citrix.com/article/CTX111079> When you type log in credentials on the log in page of the NetScaler VPN and press Enter, the credentials are sent to the Active Directory for validation. If the user name and password are valid, then the Active Directory sends the user attributes to the NetScaler appliance. The memberOf attribute is one of the attributes that the Active Directory sends to the NetScaler appliance. This attribute contains the group name of which you are defined as a member in the Active

Directory. If you are a member of more than one Active Directory group, then multiple memberOf attributes are sent to the NetScaler appliance. The NetScaler appliance then parses this information to determine if the memberOf attribute

matches the Search filter parameter set on the appliance. If attribute matches, then you are allowed to log in to the network.

The following are the sample attributes that the Active Directory can send to NetScaler appliance:

dn: CN=johnd,CN=Users,DC=citrix,DC=com

changetype: add

memberOf: CN=VPNAllowed,OU=support,DC=citrix,DC=com

cn: johnd

givenName: john

objectClass: user

sAMAccountName: johnd

Configuring a NetScaler Appliance to Extract the Active Directory Group To configure a NetScaler appliance to extract the Active Directory group and enable clients to access the NetScaler VPN based on the Active Directory groups by using

the Lightweight

Directory Access Protocol (LDAP) authentication, complete the following procedure:

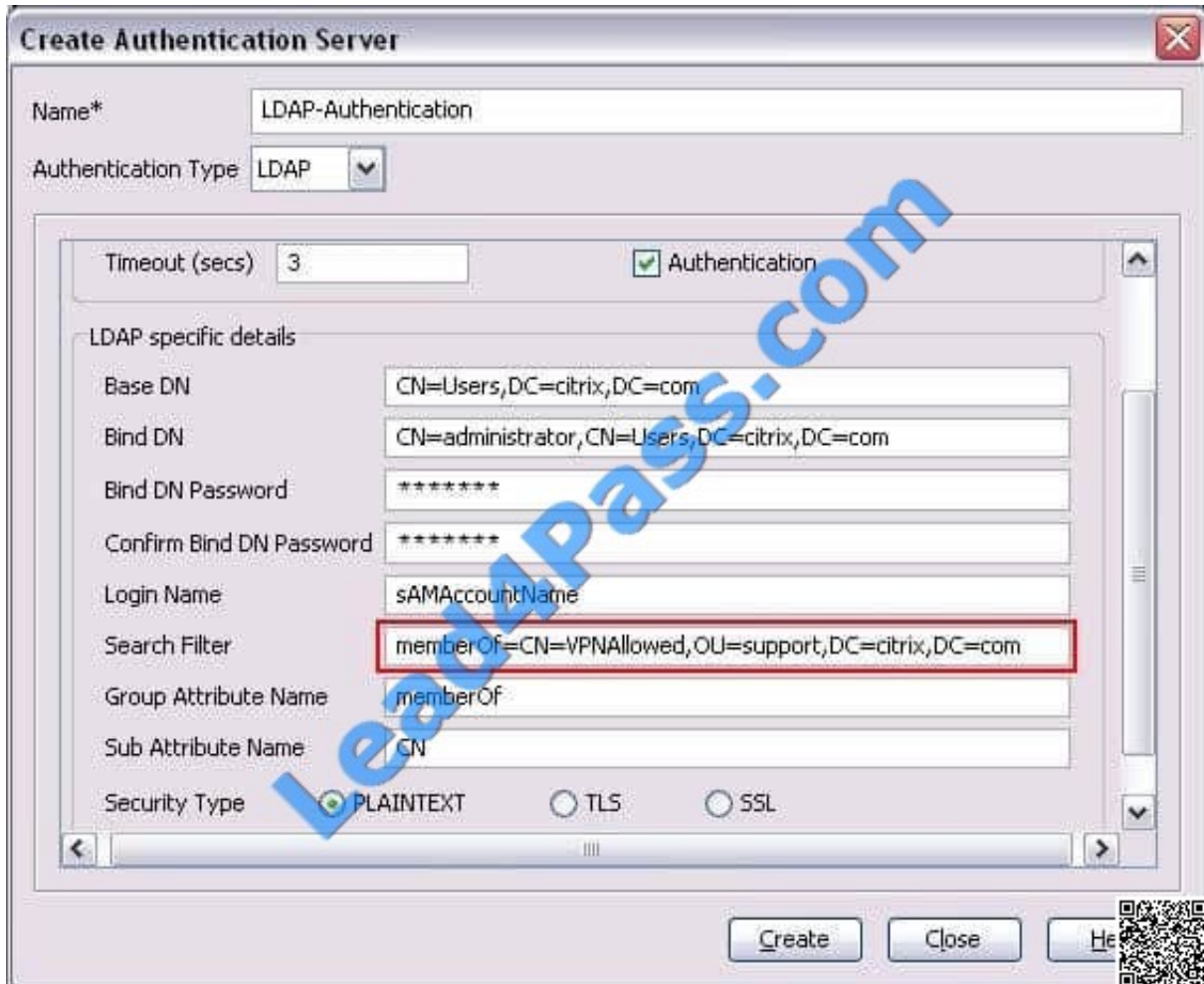
Determine the Active Directory Group that has access permission. To configure the NetScaler appliance for Group Extraction, you must define the group a user needs to be a member of to allow access to the network resources. Note: To

determine that exact syntax, you might need to refer to the Troubleshooting Group Extraction on the NetScaler appliance section.



Determine the Search Filter syntax.

Enter the appropriate syntax in the Search Filter field of the Create Authentication Server dialog box, as shown in the following sample screenshot:



Note: Ensure that you start the value to the Search Filter field with memberOf= and do not have any embedded spaces in the value. To configure the LDAP authentication with Group Extractions from the command line interface of the NetScaler appliance with the values similar to the ones in the preceding screenshot, run the following command: `add authentication ldapaction LDAP-Authentication -serverip 10.3.4.15 -ldapBase "CN=Users,DC=citrix,DC=com" -ldapBindDn "CN=administrator,CN=Users,DC=citrix,DC=com" -ldapBindDnPassword ..dd2604527edf70 -ldapLoginName sAMAccountName -searchFilter "memberOf=CN=VPNAllowed,OU=support,DC=citrix,DC=com" -groupAttrName memberOf -subAttributeName CN` Note: Ensure that you set the subAttributeName parameter to CN. Troubleshooting Group Extraction on the NetScaler appliance To troubleshoot group extraction on the NetScaler appliance, consider the following points:

If the LDAP policy fails after configuring it for Group Extraction, it is best to create a policy that does not have the group extraction configured to ensure that LDAP is configured appropriately. You might need to use the LDAP Data Interchange

Format Data Exchange (LDIFDE) utility from Microsoft that extracts the attributes from the Active Directory server to determine the exact content of the memberOf group.

You need to run this utility on the Active Directory server. The following is the syntax for the command to run the LDIFDE utility:



```
ldifde -f -s -d "dc=,dc=com" -p subtree -r "(and(objectCategory=person)(objectClass=User)(givenname=*))" -l "cn,givenName,objectclass,samAccountName,memberOf"
```

When you run the preceding command, a text file, with the name you specified for File_Name parameter, is created. This file contains all objects from the Active Directory. The following is an example from a text file so created:

```
dn: CN=johnd,CN=Users,DC=citrix,DC=com
changetype: add
memberOf: CN=VPNAllowed,OU=support,DC=citrix,DC=com
cn: johnd
givenName: john
objectClass: user
sAMAccountName: johnd
```

QUESTION 25

Scenario: A NetScaler Engineer connected a new NetScaler MPX appliance to the network. However, some of the interfaces were blocked on the uplink switch. The engineer needs to perform a network packet trace on the NetScaler appliance. For troubleshooting purposes, the engineer needs to separate trace files for each interface. The engineer executed the following command from the NetScaler CLI:

```
start nstrace -perNIC ENABLED
```

However, NetScaler created a single trace file.

What should the engineer do to produce separate trace files for each interface?

- A. Specify the nodes parameter.
- B. Use the nsconmsg command.
- C. Specify the tcpdump parameter.
- D. Use the nstracemerge.sh command.

Correct Answer: C

QUESTION 26

A network engineer is troubleshooting a situation where ARP requests for IPs in other subnets (for example 10.192.12.80) are appearing in the 10.192.8.0/24 subnet.

Which command could the engineer run on the NetScaler to verify IP to VLAN bindings?

- A. show ip



- B. netstat -r
- C. show arp
- D. show vlan

Correct Answer: D

QUESTION 27

Scenario: A network engineer configured a new NetScaler MPX appliance without any VLANs and with a single interface connected to the network. The engineer has not completed any other configurations. The interface is then accidentally disabled and contact is lost with the appliance.

Which two actions can the network engineer take to restore communications to the appliance? (Choose two.)

- A. Connect to the SNIP instead of the NSIP.
- B. Connect another of the unused interfaces.
- C. Use the serial port to connect and then bring the disabled interface online.
- D. Connect a crossover cable to the port that has been disabled and connect to the NSIP.

Correct Answer: BC

QUESTION 28

A network engineer is testing a new load balancing virtual server "test" that has the service group "test-grp" bound to it. Which command could the engineer run to show connection details for the new virtual server?

- A. show server
- B. show services
- C. show servicegroups
- D. show connectiontable

Correct Answer: D

QUESTION 29

An engineer should use the filter (content filtering) feature to prevent _____ and _____. (Choose the two correct options to complete the sentence.)

- A. the use of unauthorized HTTP methods
- B. a client from accessing a specific IP on the back-end
- C. inappropriate HTTP headers from being sent to your Web server



- D. inappropriate MSSQL commands from being sent to your SQL server
- E. a client from a specific VLAN ID to access resources on the NetScaler

Correct Answer: AC

QUESTION 30

Which troubleshooting tool will show policy hits and verify that a policy expression is being invoked?

- A. nspepi
- B. nsapimgr
- C. nstrace.sh
- D. nsconmsg

Correct Answer: D

QUESTION 31

What would a NetScaler Engineer configure to allow internal IPv4 servers on a private subnet access to the external Internet through the NetScaler?

- A. Link Load Balancing (LLB)
- B. Network Address Translation 64 (NAT64)
- C. Inbound Network Address Translation (INAT)
- D. Reverse network address translation (RNAT)

Correct Answer: D

QUESTION 32

Scenario: The NetScaler has been connected to two external networks provided by different Internet Service Providers (ISPs). Dynamic routing is not enabled. Traffic is expected to use the first ISP (through the 10.50.1.1 router) if possible and the second, slower ISP (through the 10.51.1.1 router) only if the Primary ISP fails.

Which two commands could the network engineer execute to configure the routes? (Choose two.)

- A. add route 0.0.0.0 0.0.0.0 10.51.1.1 -cost 10 -monitor arp
- B. add route 0.0.0.0 0.0.0.0 10.50.1.1 -cost 5 -monitor PING
- C. add route 0.0.0.0 0.0.0.0 10.50.1.1 -cost 15 -msr ENABLED
- D. add route 0.0.0.0 0.0.0.0 10.51.1.1 -cost 3 -monitor PING-DEFAULT



Correct Answer: AB

QUESTION 33

In which two places could a NetScaler Engineer enable TCP Buffering? (Choose two.)

- A. Service
- B. Globally
- C. HTTP profile
- D. Virtual server

Correct Answer: AB

QUESTION 34

A NetScaler engineer would like to present different web pages to a user based on the device and browser type from which they are connecting.

Which responder policy could assist with this requirement?

- A. HTTP.RES.URL.PATH
- B. HTTP.REQ.Host("Host")
- C. HTTP.RES.BODY(1024)
- D. HTTP.REQ.HEADER("User-Agent")

Correct Answer: D

QUESTION 35

Which NetScaler feature would a NetScaler Engineer configure to allow users from a certain IP range to have access to a special Web portal?

- A. Load Balancing
- B. Content Filtering
- C. Global Server Load Balancing
- D. Content Switching

Correct Answer: D

QUESTION 36



Which option needs to be set on the service in order to maintain the original client-IP to the backend service?

- A. -cka yes
- B. -usip yes
- C. -cip disabled
- D. -useproxyport yes

Correct Answer: B

QUESTION 37

Scenario: A NetScaler Engineer wants to make it easier for the help desk group to access the active node in a high-availability pair. Members of the help desk group must be able to access the NetScaler in a secure way without being notified of warnings in their web browsers.

Which two of the listed steps must the engineer take to meet the requirements of the scenario? (Choose two.)

- A. Enable management access to the VIP.
- B. Enable management access to the SNIP.
- C. Bind a trusted certificate to the internal service.
- D. Bind the ns-server-certificate to the SNIP to the internal service.
- E. Create a self-signed certificate on the NetScaler and assign it to the internal service.

Correct Answer: BC

QUESTION 38

Scenario: A NetScaler Engineer has been tasked with reconfiguring an existing NetScaler deployment. The engineer is currently running a high-availability (HA) pair of NetScaler 10.5 appliances, but the Vice President of IT has requested a more efficient way of preserving and balancing network resources and throughput while having a single point of management for the NetScaler appliances.

What should the engineer configure to satisfy the requirements outlined by the Vice President of IT?

- A. Switch from traditional HA to -INC mode HA.
- B. Break the HA pair and configure clustering instead.
- C. Break the HA pair and configure three standalone NetScaler nodes.
- D. Leave HA enabled and increase bandwidth to both NetScaler nodes.

Correct Answer: B



QUESTION 39

A recent security audit has identified that NetScaler management is available on all Subnet IP (SNIP) addresses.

Which step could an engineer take to ensure that these services are only available through the NetScaler IP (NSIP)?

- A. Unbind all SNIPs from the NSVLAN.
- B. Disable the '\\GUI\\' option on all SNIPs.
- C. Enable the '\\Restrict Access\\' option on all SNIPs.
- D. Disable the '\\Management Access\\' option on all SNIPs.

Correct Answer: D

QUESTION 40

Scenario: A network engineer monitoring an HTTP service-related issue needs to view only the relevant data pertaining to the service being monitored. The IP address of the back-end service being monitored is 10.10.1.99. The NSIP address is 10.10.1.230.

Which command should the engineer execute to monitor data relevant to this issue only in real time?

- A. telnet
- B. traceroute
- C. nsconmsg
- D. nstcpdump

Correct Answer: D

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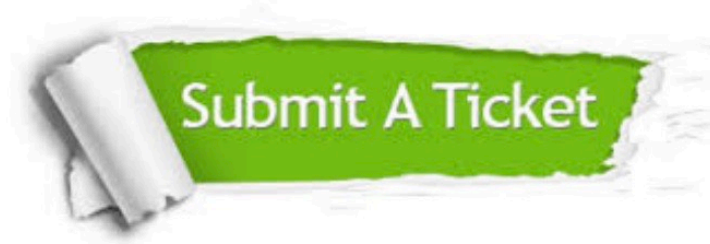
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