



300-135^{Q&As}

Troubleshooting and Maintaining Cisco IP Networks

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QUESTION 1

A question about SSH into router, the connection time out. Which layer to troubleshoot first?

- A. physical layer
- B. network layer
- C. <https://www.CertBus.com/300-135.html>

Correct Answer: B

QUESTION 2

Diagram showing 2 hosts each connected to different access switches, Host A in VLAN 300 Host B in VLAN 200. Why can host A not access a DHCP server in VLAN 200?

- A. VLAN 200 needs to be added to access switch B.
- B. Create a port channel
- C. Host A has the wrong subnet mask
- D. <https://www.CertBus.com/300-125.html>

Correct Answer: C

QUESTION 3

Drag the SSH configuration commands in order from the left onto the correct sequence number on the right. Not all commands are used.

Select and Place:

Core-Switch (config)# line vty 0 4 Core-Switch (config-line)#transport input ssh	1
Core-Switch (config)#ip ssh version 2	2
Core-Switch (config)# line console 0 Core-Switch (config-line)# transport input ssh	3
Core-Switch(config)# crypto key generate rsa	4
Core-Switch(config)#ip domain-name crrdp.com	



Correct Answer:

	Core-Switch(config)#ip domain-name crrdp.com
	Core-Switch(config)# crypto key generate rsa
Core-Switch (config)# line console 0 Core-Switch (config-line)# transport input ssh	Core-Switch (config)#ip ssh version 2
	Core-Switch (config)# line vty 0 4 Core-Switch (config-line)#transport input ssh

QUESTION 4

Which two statements about GRE tunnel keepalives are true? (Choose two)

- A. They are supported in point-to-point GRE tunnels.
- B. They are supported in multipoint GRE tunnels.
- C. They are supported in VRFs only if the fVRF and iVRF match.
- D. They are supported with IPsec tunnel protection.
- E. They are enabled by default.

Correct Answer: AD

QUESTION 5

A question about restrict access for device on management plane? (Choose two.)

- A. Enable Cisco Express Forward (CEF) globally.
- B. Add authentication for routing protocols.
- C. Restrict physical access.
- D. Add ACLs for Telnet.
- E. <https://www.CertBus.com/300-135.html>

Correct Answer: AD



QUESTION 6

The implementations group has been using the test bed to do a 'proof-of-concept' that requires both Client 1 and Client 2 to access the WEB Server at 209.65.200.241.

After several changes to the network addressing, routing scheme, DHCP services, NTP services, and FHRP services, a trouble ticket has been opened indicating that Client 1 cannot ping the 209.65.200.241 address.

Use the supported commands to isolated the cause of this fault and answer the following questions.

The fault condition is related to which technology?

- A. NTP
- B. Switch-to-Switch Connectivity
- C. Access Vlans
- D. Port Security
- E. VLAN ACL / Port ACL
- F. Switch Virtual Interface

Correct Answer: B

Since the Clients are getting an APIPA we know that DHCP is not working. However, upon closer examination of the ASW1 configuration we can see that the problem is not with DHCP, but the fact that the trunks on the port channels are only allowing VLANs 1-9, when the clients belong to VLAN 10. VLAN 10 is not traversing the trunk on ASW1, so the problem is with switch to switch connectivity, specifically the trunk configuration on ASW1.

QUESTION 7

Which two requirements are used for GRE? (Choose two.)

- A. Protocol 47 should be allowed.
- B. Destination of the tunnel should be reachable.
- C. <http://www.CertBus.com/300-135.html>
- D. <http://www.CertBus.com/300-135.html>

Correct Answer: AB

QUESTION 8

The implementations group has been using the test bed to do a 'proof-of-concept' that requires both Client 1 and Client 2 to access the WEB Server at 209.65.200.241.

After several changes to the network addressing, routing scheme, DHCP services, NTP services, layer 2 connectivity,



FHRP services, and device security, a trouble ticket has been opened indicating that Client 1 cannot ping the 209.65.200.241 address.

Use the supported commands to isolated the cause of this fault and answer the following questions.

On which device is the fault condition located?

- A. R1
- B. R2
- C. R3
- D. R4
- E. DSW1
- F. DSW2
- G. ASW1

Correct Answer: A

On R1, we need to permit IP 209.65.200.222/30 under the access list.

Since we know that R1 does not have any BGP neighbors, we can deduce that the problem lies with R1.

QUESTION 9

DRAG DROP

Drag the ping and traceroute extended command from the left onto the corresponding purpose on the right.

Select and Place:

df-bit	specifies the packet classification
tll	allows for testing the path MTU
timeout	determines the maximum hop count
tos	sets the interval to wait for a response



Correct Answer:

	tos
	df-bit
	ttl
	timeout

QUESTION 10

Refer to the exhibit. Which outcome regarding a telnet connection to the router is valid?

```
CW-RTR#show running-config
!
service password-encryption
!
hostname CW-RTR
!
line con 0
  exec-timeout 0 0
  password 7 0822455D)A16
  logging synchronous
line aux 0
  exec-timeout 0 0
  logging synchronous
line vty 0 4
  password 7 094F471A)A0A
  login
  transport input telnet
!
end
```

- A. Telnet fails because of the missing AAA on the router
- B. Telnet fails because of the missing username/password on the router



- C. Telnet fails because of the missing enable secret on the router
- D. Telnet completes successfully

Correct Answer: B

QUESTION 11

EIGRP is being used as the routing protocol on the Company network. While troubleshooting some network connectivity issues, you notice a large number of EIGRP SIA (Stuck in Active) messages. What causes these SIA routes? (Select two)

- A. The neighboring router stops receiving ACK packets from this router.
- B. The neighboring router starts receiving route updates from this router.
- C. The neighboring router is too busy to answer the query (generally caused by high CPU utilization).
- D. The neighboring router is having memory problems and cannot allocate the memory to process the query or build the reply packet.

Correct Answer: CD

SIA routes are due to the fact that reply packets are not received. This could be caused by a router which is unable to send reply packets. The router could have reached the limit of its capacity, or it could be malfunctioning. Notes: If a router does not receive a reply to all outstanding queries within 3 minutes, the route goes to the stuck in active (SIA) state. The router then resets the neighbors that fail to reply by going active on all routes known through that neighbor, and it re-advertises all routes to that neighbor. <http://www.cisco.com/warp/public/103/eigrp3.html>

QUESTION 12

About allowing SSH access from network 10.10.15.0/24

- A. Access-list 142 permit tcp 10.10.15.0 0.0.0.255 any eq 22
- B. <https://www.certbus.com/300-135.html>
- C. <https://www.certbus.com/300-135.html>
- D. <https://www.certbus.com/300-135.html>

Correct Answer: A

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