



Cisco 642-821

Building Cisco® Remote Access Networks (BCRAN)

Q & A Demo

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1. Which command must be used in order for PPP authentication to work with a dialer profile?

- A. dialer string
- B. dialer remote-name
- C. dialer pool-member
- D. dialer map

Answer: B

2. Which two of the following events will occur when the router command `backup load 60 5` is used? (Choose two.)

- A. The backup link activates when the primary link exceeds 60 percent of bandwidth.
- B. The backup link activates when the primary link exceeds 60 kbps.
- C. The backup link deactivates when the primary link falls to 5 percent bandwidth.
- D. The backup link deactivates when the combined load falls to 5 percent bandwidth.
- E. The backup link deactivates when the combined load falls to 5 kbps.

Answer: AD

3. What is the default action of authentication when AAA is enabled but authentication is not set?

- A. Allow a user to access all resources after login.
- B. Disallow a user from access to all resources after login.
- C. Record all access of resources and how long the user accessed each resource.
- D. Not to record any access of resources the users accessed after login.
- E. Allow any user to login without checking the authentication database.
- F. Disallow any user from logging in with or without a valid username and password.

Answer: F

4.

```
Serial10/0(in): Status, myseq 72
RT IE 1, length 1, type 0
KA IE 3, length 2, yourseq 73, myseq 72
PVC IE 0x7, length 0x3, dlci 100, status 0x0
PVC IE 0x7, length 0x3, dlci 200, status 0x2
Serial10/0(out): StEnq, myseq 73, yourseen 73, DTE up
datagramstart = 0x1346F34, datagramsize = 14
FR encap = 0x00010308
00 75 95 01 01 01 03 02 49 49
```

Refer to the output of the debug frame-relay lmi command shown in the graphic, what is the status of DLCI 100?

- A. active
- B. init
- C. inactive
- D. down
- E. deleted

Answer:C

5.

```
R8#debug frame-relay packet
Frame Relay packet debugging is on
R8#
R8#ping 172.16.81.3

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 172.16.81.3, timeout is 2 seconds:

Serial8/0:Encaps failed--no map entry link 7(IP)
Serial8/0:Encaps failed--no map entry link 7(IP)
Serial8/0:Encaps failed--no map entry link 7(IP)
Serial8/0:Encaps failed--no map entry link 7(IP)
Serial8/0:Encaps failed--no map entry link 7(IP)
Success rate is 0 percent (0/5)
```

Refer to the output of the debug frame-relay packet command shown in the graphic. What is the possible problem?

- A. Frame Relay encapsulation mismatch
- B. Frame Relay LMI type mismatch
- C. missing routing table entry
- D. missing Inverse ARP entry
- E. missing MAC address entry

Answer:D

6. Company ABC has a hub and spoke Frame Relay network. No spoke router can ping any other spoke routers, yet all spoke routers can ping the hub router. What is a possible cause?

- A. disabled split horizon
- B. poison reverse issue
- C. Inverse ARP issue
- D. spanning-tree loop

Answer:C

7. A Frame Relay PVC status is reported as "Deleted" on the local router. Which statement is true about the PVC configuration?

- A. The PVC is not configured on the CSU/DSU.
- B. The PVC is not configured on the local router.
- C. The PVC is not configured on the remote router.
- D. The PVC is not configured on the Frame Relay switch.

Answer: D

8. Which of the following statements is correct based on the Cisco router output of the show isdn status command?

```
Router#show isdn status
```

```
Global ISDN Switchtype=basic-ni
```

```
ISDN BRI0 interface dsl 0, interface ISDN
```

```
Switchtype=basic-ni
```

```
Layer 1 Status:
```

```
ACTIVE
```

```
Layer 2 Status:
```

```
TEI=73, Ces=2, SAPI=0, State=TEI_ASSIGNED
```

```
TEI=74, Ces=1, SAPI=0, State=TEI_ASSIGNED
```

```
Layer 3 Status :
```

```
0 Active Layer 3 Call(s)
```

- A. Layer 1, 2, and 3 status is active.
- B. TEI values assigned are not a valid numbers.
- C. Layers 1 and 2 status is active but Layer 3 status indicates lost connectivity.
- D. Layer 1 status is active but Layer 2 status indicates lost connectivity.

Answer: D

9. How are multiple logical Frame Relay VCs supported on the same physical serial connection?

- A. The DTE channelizes the bandwidth into multiple 64K circuits, each supporting a separate VC.
- B. The DTE encapsulates packets with a header containing an identifier for each VC.
- C. The DCE provides multiple time slots in which to send specific VC data streams.
- D. The Frame Relay switch uses inverse ARP to map the Layer 3 address to a DLCI for each VC.

Answer:B

10. Which configuration command defines a rotary group?

- A. dialer pool
- B. rotary-group
- C. interface rotary
- D. interface dialer
- E. dialer rotary-group

Answer:D

11. Under which circumstance would use of Kerberos authentication system be required, instead of TACACS+ or RADIUS?

- A. Authentication, authorization and accounting need to use the a single database.
- B. Multiple levels of authorization need to be applied to various router commands.
- C. DES encrypted authentication is required.
- D. The usage of various router functions needs to be accounted for by user name.

Answer:C

12. Which traffic queuing method gives a low-volume traffic stream preferential service?

- A. FIFO
- B. Priority
- C. Custom
- D. Weighted Fair
- E. Low Latency

Answer:D

13. Which two commands are used to verify and troubleshoot a PPP session? (Choose two.)

- A. show interfaces
- B. show PPP
- C. debug PPP negotiation
- D. debug PPP session

E. debug ppp dialer

Answer:AC

14.A network administrator would like to use an existing ISDN line as a backup for a Frame Relay line connected on interface serial0.

Which statement is correct based on the following configuration of the Cisco Router?

```
interface serial0
```

```
ip address 192.168.10.1 255.255.255.0
```

```
backup interface bri0
```

```
backup delay 5 10
```

```
interface bri0
```

```
ip address 192.168.11.2 255.255.255.0
```

```
dialer idle-timeout 900
```

```
dialer-group 1
```

- A. The ISDN BRI line will go to "standby" mode 900 seconds after the serial interface reactivates.
- B. The ISDN BRI line will go to "standby" mode 10 seconds after the serial interface reactivates.
- C. The ISDN BRI line will deactivate when the primary line reaches 10% utilization.
- D. The ISDN BRI line will go to standby mode after 900 seconds, but will reactivate if the primary line reaches 10% utilization.

Answer:B

15.Given the configuration:

```
access-list 101 deny tcp any any eq ftp
```

```
access-list 101 permit ip any any
```

```
dialer-list 2 protocol ip list 101
```

Which two statements about the configuration are true with respect to the DDR? (Choose two.)

- A. FTP traffic will never be forwarded.
- B. FTP traffic will only be forwarded while other interesting traffic is being forwarded.

- C. All traffic will cause the line to activate.
- D. FTP will cause the line to activate.
- E. FTP will not cause the line to activate.
- F. Since FTP uses two sockets, both must be defined to prevent packet forwarding.

Answer:BE

16. Which dial feature provides reliable connectivity, does not rely on defined interesting traffic to trigger outgoing calls to the remote router, and is triggered by a lost route?

- A. dialer backup
- B. floating static routes
- C. dialer watch
- D. dialer route

Answer:C

17. Which type of remote-user VPN has users dial in to an Internet service provider (ISP) where an ISP-owned device establishes a secure tunnel to the users' enterprise network?

- A. client initiated VPN
- B. network access server (NAS) initiated VPN
- C. intranet VPN
- D. extranet VPN

Answer:B

18. Which three items are correct about the IPSec AH security protocol? (Choose three.)

- A. Authentication is mandatory.
- B. Authentication is optional.
- C. The IP packet is expanded by transport mode: 37 bytes (3DES) or 63 bytes (AES); tunnel mode: 57 bytes (3DES) or 83 bytes (AES).
- D. The IP packet is expanded by transport mode: 24 bytes; tunnel mode: 44 bytes.
- E. The IPSec AH security protocol does provide data confidentiality.
- F. The IPSec AH security protocol does not provide data confidentiality.

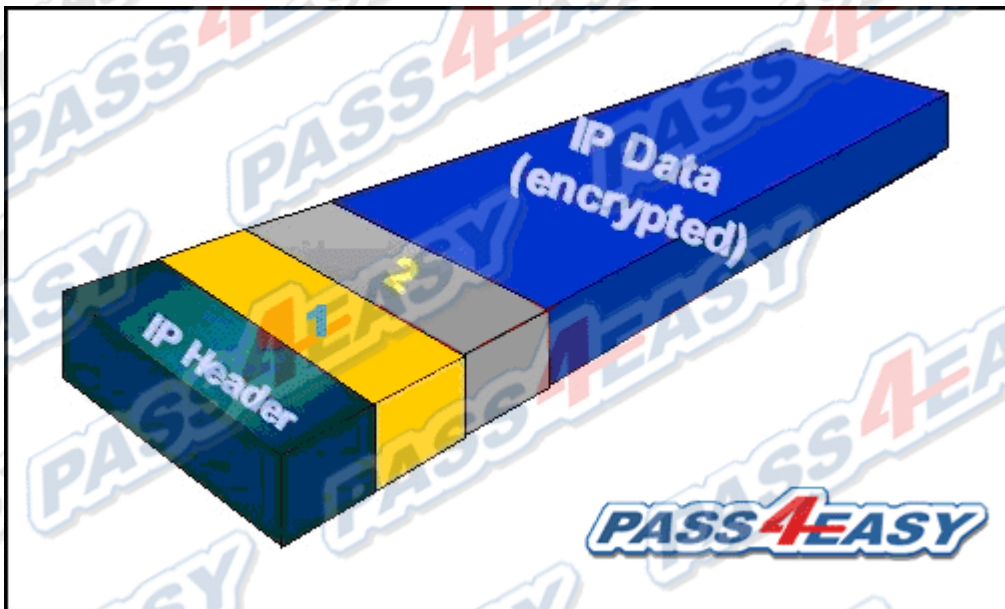
Answer:ADF

19. Which three items are correct about the IPSec ESP security protocol? (Choose three.)

- A. Authentication is mandatory and the whole packet including the header is authenticated.
- B. Authentication is optional and the outer header is not authenticated.
- C. IP packet is expanded by transport mode: 37 bytes (3DES) or 63 bytes (AES); tunnel mode: 57 bytes (3DES) or 83 bytes (AES)
- D. IP packet is expanded by: transport mode 24 bytes; tunnel mode 44 bytes
- E. The ESP security protocol provides data confidentiality.
- F. The ESP security protocol provides no data confidentiality.

Answer: BCE

20.



Given the partial IPSEC datagram, which provides both authentication and confidentiality, identify the header marked as 2.

- A. AH header
  - B. ESP header
  - C. MPLS VPN header
  - D. SA header
- Answer: B