

## Exam Questions 300-410

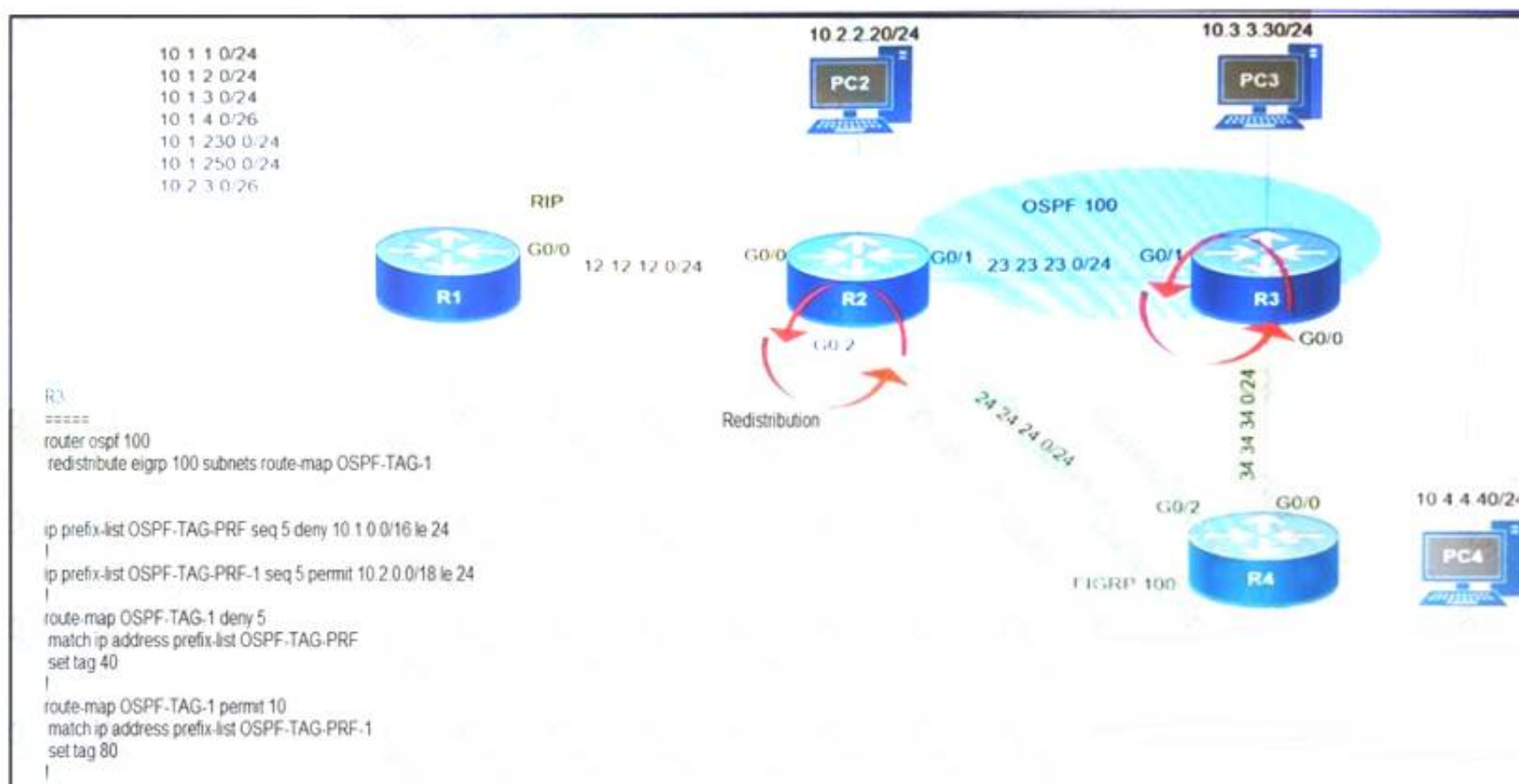
Implementing Cisco Enterprise Advanced Routing and Services (ENARSI)

<https://www.2passeasy.com/dumps/300-410/>



### NEW QUESTION 1

Refer to the exhibit.



Which subnet is redistributed from EIGRP to OSPF routing protocols?

- A. 10.2.2.0/24
- B. 10.1.4.0/26
- C. 10.1.2.0/24
- D. 10.2.3.0/26

Answer: A

### NEW QUESTION 2

Which configuration enabled the VRF that is labeled "Inet" on FastEthernet0/0?

- A. R1(config)# ip vrf InetR1(config-vrf)#ip vrf FastEthernet0/0
- B. R1(config)#ip vrf Inet FastEthernet0/0
- C. R1(config)# ip vrf InetR1(config-vrf)#interface FastEthernet0/0 R1(config-if)#ip vrf forwarding Inet
- D. R1(config)#router ospf 1 vrf InetR1(config-router)#ip vrf forwarding FastEthernet0/0

Answer: C

### NEW QUESTION 3

An engineer is trying to copy an IOS file from one router to another router by using TFTP. Which two actions are needed to allow the file to copy? (Choose two.)

- A. Copy the file to the destination router with the copy tftp: flash: command
- B. Enable the TFTP server on the source router with the tftp-server flash: <filename> command
- C. TFTP is not supported in recent IOS versions, so an alternative method must be used
- D. Configure a user on the source router with the username tftp password tftp command
- E. Configure the TFTP authentication on the source router with the tftp-server authentication local command

Answer: AB

### NEW QUESTION 4

A network engineer is investigating a flapping (up/down) interface issue on a core switch that is synchronized to an NTP server. Log output currently does not show the time of the flap. Which command allows the logging on the switch to show the time of the flap according to the clock on the device?

- A. service timestamps log uptime
- B. clock summer-time mst recurring 2 Sunday mar 2:00 1 Sunday nov 2:00
- C. service timestamps log datetime localtime show-timezone
- D. clock calendar-valid

Answer: A

### NEW QUESTION 5

Refer to the exhibit.

```
R1(config) # do show running-config | section line|username
username cisco secret 5 $1$yb/o$L3G5cXODxpYMSJ70PzEyo0
line con 0
  logging synchronous
line vty 0 4
  login local
  transport input telnet
R1(config) # logging console 7
R1(config) # do debug aaa authentication
R1(config) #
```

An administrator that is connected to the console does not see debug messages when remote users log in. Which action ensures that debug messages are displayed for remote logins?

- A. Enter the transport input ssh configuration command.
- B. Enter the terminal monitor exec command.
- C. Enter the logging console debugging configuration command.
- D. Enter the aaa new-model configuration command.

**Answer: B**

#### NEW QUESTION 6

Refer to the exhibit.

```
* Jun 28 14:41:57: %BGP-5-ADJCHANGE: neighbor 192.168.2.2 Down User reset
* Jun 28 14:41:57: %BGP_SESSION-5-ADJCHANGE: neighbor 192.168.2.2 IPv4 Unicast
topology base removed from session User reset
* Jun 28 14:41:57: %BGP-5-ADJCHANGE: neighbor 192.168.2.2 Up
R1#show clock
*15:42:00.506 CET Fri Jun 28 2019
```

An engineer is troubleshooting BGP on a device but discovers that the clock on the device does not correspond to the time stamp of the log entries. Which action ensures consistency between the two times?

- A. Configure the service timestamps log uptime command in global configuration mode.
- B. Configure the logging clock synchronize command in global configuration mode.
- C. Configure the service timestamps log datetime localtime command in global configuration mode.
- D. Make sure that the clock on the device is synchronized with an NTP server.

**Answer: D**

#### NEW QUESTION 7

Which attribute eliminates LFAs that belong to protected paths in situations where links in a network are connected through a common fiber?

- A. shared risk link group-disjoint
- B. linecard-disjoint
- C. lowest-repair-path-metric
- D. interface-disjoint

**Answer: A**

#### NEW QUESTION 8

Drag and drop the MPLS VPN concepts from the left onto the correct descriptions on the right.



route distinguisher	propagates VPN reachability information
route target	distributes labels for traffic engineering
Resource Reservation Protocol	uniquely identifies a customer prefix
multiprotocol BGP	controls the import/export of customer prefixes

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

route distinguisher	multiprotocol BGP
route target	Resource Reservation Protocol
Resource Reservation Protocol	route distinguisher
multiprotocol BGP	route target

#### NEW QUESTION 9

Refer to the exhibit.

```

Router#sh ip route ospf
<output omitted>
Gateway is last resort is not set

    10.0.0.0/24 is subnetted, 1 subnets
      o E2    10.0.0.0 [110/20] via 192.168.12.2, 00:00:10, Ethernet0/0
      o      192.168.3.0/24 [110/20] via 192.168.12.2, 00:00:50, Ethernet0/0
Router#

Router#show ip bgp
<output omitted>
      Network        Next Hop      Metric      LocPrf      Weight      Path
>*  192.168.1.1/32    0.0.0.0        0           32768       ?
>*  192.168.3.0      192.168.12.2   20          32768       ?
>*  192.168.12.0     0.0.0.0        0           32768       ?
Router#show running-config | section router bgp
router bgp 65000
 bgp log-neighbor-changes
 redistribute ospf 1
Router#

```

An engineer is trying to redistribute OSPF to BGP, but not all of the routes are redistributed. What is the reason for this issue?

- A. By default, only internal routes and external type 1 routes are redistributed into BGP  
B. Only classful networks are redistributed from OSPF to BGP

- C. BGP convergence is slow, so the route will eventually be present in the BGP table  
D. By default, only internal OSPF routes are redistributed into BGP

**Answer:** A

#### NEW QUESTION 10

Which protocol is used to determine the NBMA address on the other end of a tunnel when mGRE is used?

- A. NHRP  
B. IPsec  
C. MP-BGP  
D. OSPF

**Answer:** D

#### NEW QUESTION 10

Refer to the exhibit.

```
TAC+: TCP/IP open to 171.68.118.101/49 failed --
Destination unreachable; gateway or host down
AAA/AUTHEN (2546660185): status = ERROR
AAA/AUTHEN/START (2546660185): Method=LOCAL
AAA/AUTHEN (2546660185): status = FAIL
As1 CHAP: Unable to validate Response. Username chapuser: Authentication failure
```

Why is user authentication being rejected?

- A. The TACACS+ server expects “user”, but the NT client sends “domain/user”.  
B. The TACACS+ server refuses the user because the user is set up for CHAP.  
C. The TACACS+ server is down, and the user is in the local database.  
D. The TACACS+ server is down, and the user is not in the local database.

**Answer:** D

#### NEW QUESTION 11

Refer to the exhibit.

```
R1 #show ip bgp summary
BGP router identifier 192.168.1.1, local AS number 65000
<output omitted>
Neighbor    V  AS   MsgRcvd  MsgSent   Tblver  InQ  OutQ  Up/Down  State/PfxRcd
192.168.2.2  4  65000    28     28       22    0    0   00:21:31      0
R1#show ip bgp
BGP table version is 22, local router ID is 192.168.1.1
Status codes: s suppressed, d damped, h history, * valid, > best, i – internal,
               r RIB-failure, s stale, m multipath, b backup-path, f RT-Filter,
               x best-external, a additional-path, C RIB-compressed,
Origin codes: i – IGP, e – EGP, ? – incomplete
RPKI validation codes: V valid, I invalid, N Not found

   Network        Next Hop         Metric LocPrf   Weight    Path
* >  172.16.25.0/24  209.165.200.225      0         32768      ?
R1#
```

```
R2 #show ip bgp summary
BGP router identifier 192.168.2.2, local AS number 65000
<output omitted>
Neighbor    V  AS   MsgRcvd  MsgSent   Tblver  InQ  OutQ  Up/Down  State/PfxRcd
192.168.1.1  4  65000    29     28       3     0    0   00:22:07      1
192.168.3.3  4  65000     7      8       3     0    0   00:02:55      0
R2#show ip bgp
BGP table version is 3, local router ID is 192.168.2.2
Status codes: s suppressed, d damped, h history, * valid, > best, i – internal,
               r RIB-failure, s stale, m multipath, b backup-path, f RT-Filter,
               x best-external, a additional-path, C RIB-compressed,
Origin codes: i – IGP, e – EGP, ? – incomplete
RPKI validation codes: V valid, I invalid, N Not found

   Network        Next Hop         Metric LocPrf   Weight    Path
* i  172.16.25.0/24  209.165.200.225      0      100         0      ?
R2#
```

```
R3 #show ip bgp summary
BGP router identifier 192.168.3.3, local AS number 65000
BGP table version is 4, main routing table version 4
Neighbor    V  AS   MsgRcvd  MsgSent   Tblver  InQ  OutQ  Up/Down  State/PfxRcd
192.168.2.2  4  65000     8      7       4     0    0   00:03:08      0
R3#
```

R2 is a route reflector, and R1 and R3 are route reflector clients. The route reflector learns the route to 172.16.25.0/24 from R1, but it does not advertise to R3. What is the reason the route is not advertised?

- A. R2 does not have a route to the next hop, so R2 does not advertise the prefix to other clients.
- B. Route reflector setup requires full IBGP mesh between the routers.
- C. In route reflector setup, only classful prefixes are advertised to other clients.
- D. In route reflector setups, prefixes are not advertised from one client to another.

**Answer:** A

#### NEW QUESTION 16

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