

➤ **Vendor: Cisco**

➤ **Exam Code: 200-301**

➤ **Exam Name: CCNA - Cisco Certified Network Associate**

➤ **New Updated Questions from [Braindump2go](#) (Updated in [April/2022](#))**

[Visit Braindump2go and Download Full Version 200-301 Exam Dumps](#)

QUESTION 631

What is a zero-day exploit?

- A. It is when a new network vulnerability is discovered before a fix is available
- B. It is when the perpetrator inserts itself in a conversation between two parties and captures or alters data.
- C. It is when the network is saturated with malicious traffic that overloads resources and bandwidth
- D. It is when an attacker inserts malicious code into a SQL server.

Answer: A

QUESTION 632

A network engineer is replacing the switches that belong to a managed-services client with new Cisco Catalyst switches. The new switches will be configured for updated security standards, including replacing Telnet services with encrypted connections and doubling the modulus size from 1024.

Which two commands must the engineer configure on the new switches? (Choose two.)

- A. crypto key generate rsa general-keys modulus 1024
- B. transport input all
- C. crypto key generate rsa usage-keys
- D. crypto key generate rsa modulus 2048
- E. transport Input ssh

Answer: AE

QUESTION 633

Which QoS queuing method discards or marks packets that exceed the desired bit rate of traffic flow?

- A. shaping
- B. policing
- C. CBWFQ
- D. LLQ

Answer: B

QUESTION 634

What is the role of disaggregation in controller-based networking?

- A. It divides the control-plane and data-plane functions.
- B. It summarizes the routes between the core and distribution layers of the network topology.

[200-301 Exam Dumps](#) [200-301 Exam Questions](#) [200-301 PDF Dumps](#) [200-301 VCE Dumps](#)

<https://www.braindump2go.com/200-301.html>

- C. It enables a network topology to quickly adjust from a ring network to a star network
- D. It streamlines traffic handling by assigning individual devices to perform either Layer 2 or Layer 3 functions.

Answer: A

QUESTION 635

Refer to the exhibit. What is the next hop for traffic entering R1 with a destination of 10.1.2.126?

```
R1# show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       p - periodic downloaded static route

Gateway of last resort is not set
 10.0.0.0/24 is subnetted, 5 subnets
D    10.1.2.0/24 [90/2170112] via 10.165.20.226, 00:01:30, Serial0/0
D    10.1.3.0/24 [90/2170112] via 10.165.20.226, 00:01:30, Serial0/0
D    10.1.2.0/25 [90/2170112] via 10.165.20.126, 00:01:30, Serial0/0
D    10.1.3.0/25 [90/2170112] via 10.165.20.146, 00:01:30, Serial0/0
D    10.1.4.0/24 [90/2170112] via 10.165.20.156, 00:01:30, Serial0/0
 192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
C    192.18.10.0/24 is directly connected, GigabitEthernet0/0
 192.168.21.0/24 is variably subnetted, 2 subnets, 2 masks
C    192.18.11.0/24 is directly connected, GigabitEthernet0/1
 10.165.20.0/24 is variably subnetted, 2 subnets, 2 masks
C    10.165.20.224/24 is directly connected, Serial0/0
S    10.1.12.112/28 [1/0] via 10.165.20.166
```

- A. 10.165.20.126
- B. 10.165.20.146
- C. 10.165.20.166
- D. 10.165.20.226

Answer: D

QUESTION 636

Refer to the exhibit. The given Windows PC is requesting the IP address of the host at www.cisco.com. To which IP address is the request sent?

```
C:\Users\ciscoadmin>ipconfig /all

Windows IP Configuration

Host Name.....: DESKTOP-480J88T
Primary Dns Suffix.....:
Node Type.....: Hybrid
IP Routing Enabled.....: No
WINS Proxy Enabled.....: No
DNS Suffix Search List.....: arcep.se

Ethernet adapter Ethernet:

Media State.....: Media disconnected
Connection-specific DNS Suffix :
Description.....: Realtek PCIe GBE Family
Controller

Physical Address.....: 3C-52-82-33-F3-BF
DHCP Enabled.....: Yes
Autoconfiguration Enabled.....: Yes

Wireless LAN adapter Wi-Fi

Connection-specific DNS Suffix : arcep.se
Description.....: Intel (R) Dual Band
Wireless-AC 7265

Physical Address.....: C8-21-58-B4-F3-EF
DHCP Enabled.....: Yes
Autoconfiguration Enabled.....: Yes
Link-local IPv6 Address.....: fe80::45a1:b3fa:2f37:bf37%2 (Preferred)
IPv4 Address.....: 192.168.1.226 (Preferred)
Subnet Mask.....: 255.255.255.0
Lease Obtained.....: October 3, 2019 12:28:08 PM
Lease Expires.....: October 3, 2019 7:18:37 PM
Default Gateway.....: 192.168.1.100
DHCP Server.....: 192.168.1.254
DHCPv6 IAID.....: 46670168
DHCPv6 Client DUID.....: 00-01-00-01-20-FF-05-55-3C-52-82-33-D3-84
DNS Servers.....: 192.168.1.253
NetBIOS over Tcpi.....: Enabled
Connection-specific DNS Suffix Search List :
arcep.se
```

- A. 192.168.1.226
- B. 192.168.1.100
- C. 192.168.1.254
- D. 192.168.1.253

Answer: D

QUESTION 637

Why would VRRP be implemented when configuring a new subnet in a multivendor environment?

- A. when a gateway protocol is required that support more than two Cisco devices for redundancy
- B. to enable normal operations to continue after a member failure without requiring a change in a host ARP cache
- C. to ensure that the spanning-tree forwarding path to the gateway is loop-free
- D. to interoperate normally with all vendors and provide additional security features for Cisco devices

Answer: A

QUESTION 638

An engineer has configured the domain name, user name, and password on the local router.

What is the next step to complete the configuration for a Secure Shell access RSA key?

- A. `crypto key Import rsa pem`
- B. `crypto key pubkey-chain rsa`
- C. `crypto key generate rsa`
- D. `crypto key zeroize rsa`

Answer: C

QUESTION 639

An engineer is configuring SSH version 2 exclusively on the R1 router.

What is the minimum configuration required to permit remote management using the cryptographic protocol?

- A. `hostname R1`
`service password-encryption`
`crypto key generate rsa general-keys modulus 1024`
`username cisco privilege 15 password 0 cisco123`
`ip ssh version 2`
`line vty 0 15`
`transport input ssh`
`login local`
- B. `hostname R1`
`ip domain name cisco`
`crypto key generate rsa general-keys modulus 1024`
`username cisco privilege 15 password 0 cisco123`
`ip ssh version 2`
`line vty 0 15`
`transport input ssh`
`login local`
- C. `hostname R1`
`crypto key generate rsa general-keys modulus 1024`
`username cisco privilege 15 password 0 cisco123`
`ip ssh version 2`
`line vty 0 15`
`transport input ssh`
`login local`
- D. `hostname R1`
`ip domain name cisco`
`crypto key generate rsa general-keys modulus 1024`
`username cisco privilege 15 password 0 cisco123`
`ip ssh version 2`
`line vty 0 15`
`transport input all`
`login local`

Answer: B

QUESTION 640

After a recent security breach and a RADIUS failure, an engineer must secure the console port of each enterprise router with a local username and password.

Which configuration must the engineer apply to accomplish this task?

- A. `aaa new-model`
`line con 0`
`password plaintextpassword`
`privilege level 15`
- B. `aaa new-model`

aaa authorization exec default local
aaa authentication login default radius
username localuser privilege 15 secret plaintextpassword

- C. username localuser secret plaintextpassword
line con 0
no login local
privilege level 15
- D. username localuser secret plaintextpassword
line con 0
login authentication default
privilege level 15

Answer: D

QUESTION 641

Which REST method updates an object in the Cisco DNA Center Intent API?

- A. CHANGE
B. UPDATE
C. POST
D. PUT

Answer: D

QUESTION 642

Which two practices are recommended for an acceptable security posture in a network? (Choose two)

- A. Backup device configurations to encrypted USB drives for secure retrieval
B. maintain network equipment in a secure location
C. Use a cryptographic keychain to authenticate to network devices
D. Place internal email and file servers in a designated DMZ
E. Disable unused or unnecessary ports, interfaces and services

Answer: BE

QUESTION 643

An administrator must use the password complexity not manufacturer-name command to prevent users from adding "cisco" as a password. Which command must be issued before this command?

- A. Password complexity enable
B. confreg 0x2142
C. Login authentication my-auth-list
D. service password-encryption

Answer: A

QUESTION 644

An engineer is configuring router R1 with an IPv6 static route for prefix 2019:C15C:0CAF:E001::/64. The next hop must be 2019:C15C:0CAF:E002::1. The route must be reachable via the R1 Gigabit 0/0 interface. Which command configures the designated route?

- A. R1(config)#ipv6 route 2019:C15C:0CAF:E001::/64 2019:C15C:0CAF:E002::1
B. R1(config-if)#ipv6 route 2019:C15C:0CAF:E001::/64 2019:C15C:0CAF:E002::1
C. R1(config-if)#ip route 2019:C15C:0CAF:E001::/64 GigabitEthernet0/0
D. R1(config)#ip route 2019:C15C:0CAF:E001::/64 GigabitEthernet0/0

Answer: A

QUESTION 645

Drag and Drop Question

Drag and drop the QoS terms from the left onto the descriptions on the right.

cloud-based weighted fair queueing	categorizes packets based on the value of a traffic descriptor
classification	guarantees minimum bandwidth to specific traffic classes when an interface is congested
congestion	prevents congestion by reducing the flow of outbound traffic
policing	outcome of overutilization
shaping	uses defined criteria to limit the transmission of one or more classes of traffic

Answer:

classification
shaping
congestion
cloud-based weighted fair queueing
policing

QUESTION 646

Refer to the exhibit. A network engineer configures the Cisco WLC to authenticate local wireless clients against a RADIUS server.

Which task must be performed to complete the process?



- A. Change the Server Status to Disabled
- B. Select Enable next to Management
- C. Select Enable next to Network User
- D. Change the Support for CoA to Enabled.

Answer: C

QUESTION 647

What is a function of Cisco Advanced Malware Protection for a Next-Generation IPS?

- A. authorizing potentially compromised wireless traffic
- B. inspecting specific files and file types for malware
- C. authenticating end users
- D. URL filtering

Answer: B

QUESTION 648

Refer to the exhibit. How many JSON objects are represented?

```
{
  "SW1" : ["Ten-GigabitEthernet0/0", "Ten-GigabitEthernet0/1"],
  "SW2" : ["Ten-GigabitEthernet0/0", "Ten-GigabitEthernet0/1"],
  "SW3" : ["Ten-GigabitEthernet0/0", "Ten-GigabitEthernet0/1"],
  "SW4" : ["Ten-GigabitEthernet0/0", "Ten-GigabitEthernet0/1"]
}
```

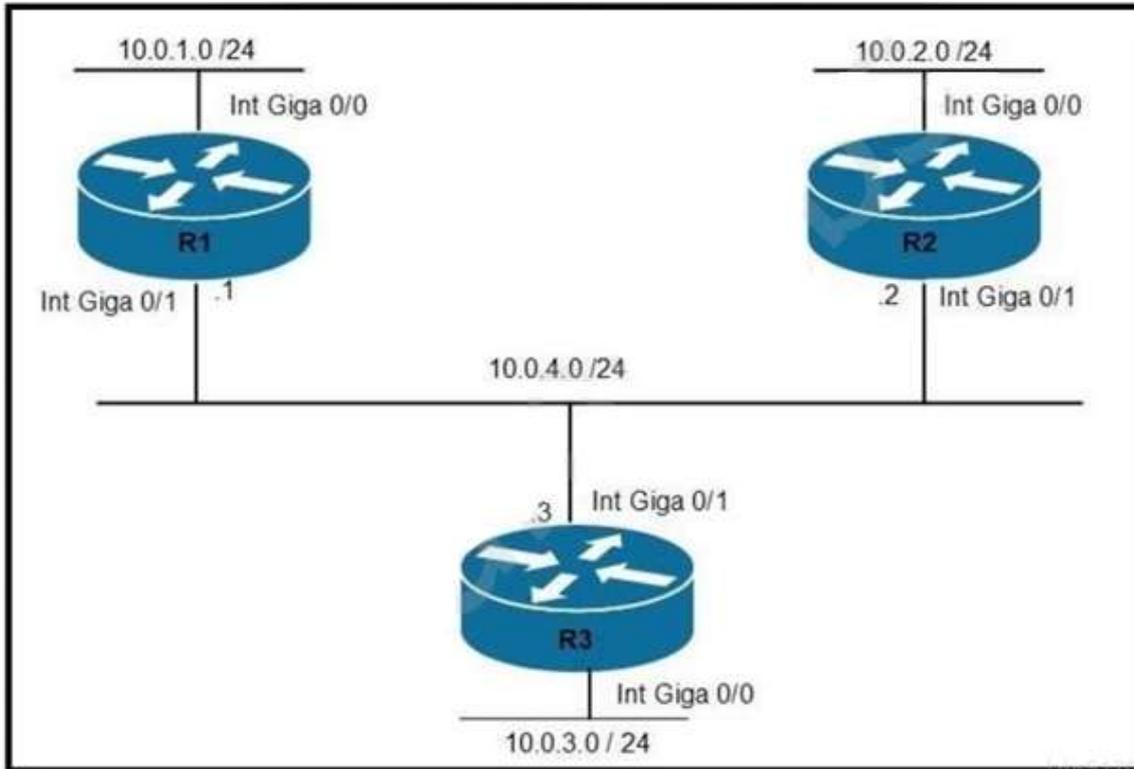
- A. 1
- B. 2

- C. 3
- D. 4

Answer: D

QUESTION 649

Refer to the exhibit. Router R1 must be configured to reach the 10.0.3.0/24 network from the 10.0.1.0/24 segment. Which command must be used to configure the route?



- A. ip route 10.0.3.0 0.255.255.255 10.0.4.2
- B. route add 10.0.3.0 mask 255.255.255.0 10.0.4.3
- C. ip route 10.0.3.0 255.255.255.0 10.0.4.3
- D. route add 10.0.3.0 0.255.255.255 10.0.4.2

Answer: C

QUESTION 650

Refer to the exhibit. The administrator must configure a floating static default route that points to 2001:db8:1234:2::1 and replaces the current default route only if it fails. Which command must the engineer configure on the CPE?

```
CPE# show ipv6 route
IPv6 Routing Table - default - 6 entries
Codes: C - Connected, L - Local, S - Static, U - Per-user Static route
       B - BGP, R - RIP, H - NHRP, I1 - ISIS L1
       I2 - ISIS L2, IA - ISIS interarea, IS - ISIS summary, D - EIGRP
       EX - EIGRP external, ND - ND Default, NDp - ND Prefix, DCE - Destination
       NDR - Redirect, O - OSPF Intra, OI - OSPF Inter, OE1 - OSPF ext 1
       OE2 - OSPF ext 2, ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2
       la - LISP alt, lr - LISP site-registrations, ld - LISP dyn-eid
       lA - LISP away, le - LISP extranet-policy, lp - LISP publications

ND  ::/0 [2/0]
    via FE80::A8BB:CCFF:FE00:200, Ethernet0/0
NDp 2001:DB8:1234:1::/64 [2/0]
    via Ethernet0/0, directly connected
L   2001:DB8:1234:1:A8BB:CCFF:FE00:100/128 [0/0]
    via Ethernet0/0, receive
C   2001:DB8:1234:2::/64 [0/0]
    via Ethernet0/1, directly connected
L   2001:DB8:1234:2:A8BB:CCFF:FE00:110/128 [0/0]
    via Ethernet0/1, receive
L   FF00::/8 [0/0]
    via Null0, receive
```

- A. ipv6 route ::/0 2001:db8:1234:2::1 3
- B. ipv6 route ::/128 2001 :db8:1234:2::1 3
- C. ipv6 route ::/0 2001:db8:1234:2::1 1
- D. ipv6 route ::/0 2001:db8:1234:2::1 2

Answer: B

QUESTION 651

What is the function of "off-the-shell" switches in a controller-based network?

- A. providing a central view of the deployed network
- B. forwarding packets
- C. making routing decisions
- D. setting packet-handling policies

Answer: D

QUESTION 652

Which command do you enter so that a switch configured with Rapid PVST + listens and learns for a specific time period?

- A. switch(config)#spanning-tree vlan 1 max-age 6
- B. switch(config)#spanning-tree vlan 1 hello-time 10
- C. switch(config)#spanning-tree vlan 1 priority 4096
- D. switch(config)#spanning-tree vlan 1 forward-time 20

Answer: D

QUESTION 653

Refer to the exhibit. Load-balanced traffic is coming in from the WAN destined to a host at 172.16.1.190. Which next-hop is used by the router to forward the request?

[200-301 Exam Dumps](#) [200-301 Exam Questions](#) [200-301 PDF Dumps](#) [200-301 VCE Dumps](#)

<https://www.braindump2go.com/200-301.html>

```
R1# show ip route
Codes:
C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP, D -
EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area N1 - OSPF NSSA
external type 1, N2 - OSPF NSSA external type 2, E1 - OSPF external type
1, E2 - OSPF external type 2, E - EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, * - candidate default,
U - per-user static route, o - ODR
Gateway of last resort is not set
C    10.0.0.0/8 is directly connected, Loopback0
    10.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
O    10.0.1.3/32 [110/100] via 10.0.1.100, 00:39:08, Serial0
C    10.0.1.0/24 is directly connected, Serial0
O    10.0.1.5/32 [110/5] via 10.0.1.50, 00:39:08, Serial0
O    10.0.10.0/24 [110/10] via 10.0.1.4, 00:39:08, Gigabit Ethernet 0/0
D    10.0.10.0/24 [90/10] via 10.0.1.5, 00:39:08, Gigabit Ethernet 0/1
```

- A. 192.168.7.4
- B. 192.168.7.7
- C. 192.168.7.35
- D. 192.168.7.40

Answer: D