

# QUESTIONS & ANSWERS

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**Cisco**

# 200-901

*DevNet Associate (DEVASC)*

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Question: 147 Section 1

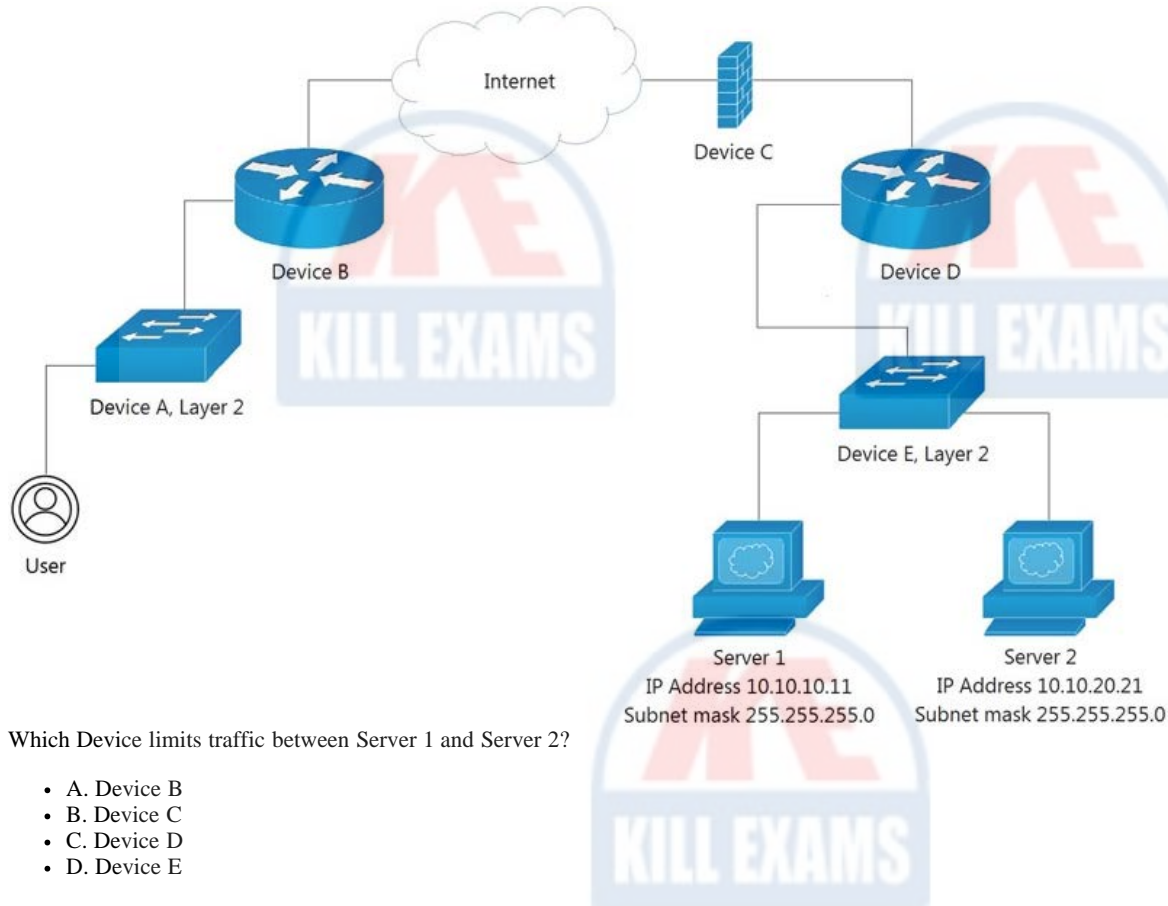
What does a load balancer distribute in a network environment?

- A. different TCP connections to the routers
- B. incoming traffic across multiple servers
- C. traffic in the network by leveraging the switch architecture
- D. outgoing connections to the network

**Answer: B**

Question: 148 Section 1

Refer to the exhibit.



Which Device limits traffic between Server 1 and Server 2?

- A. Device B
- B. Device C
- C. Device D
- D. Device E

**Answer: C**

Question: 149 Section 1

A company is looking for a cloud deployment which will only use the on-premise infrastructure, is user self-service, and is easy to scale. Which cloud solution should be selected for these requirements?

- A. multi
- B. private
- C. hybrid
- D. public

**Answer: B**

Question: 150 Section 1

Refer to the exhibit.

```
# base image
FROM alpine

# Install python and pip
RUN apk add --update py2-pip

# Install python modules needed by the python app
COPY requirements.txt /usr/src/app/
RUN pip install --no-cache-dir -r /usr/src/app/requirements.txt

#copy local files for the app to run
COPY app.py /usr/src/app/
COPY templates/index.html /usr/src/app/templates/

EXPOSE 8080

#run the application
CMD ["python", "/usr/src/app/app.py"]
```

Which function does the EXPOSE line perform when building an image from this Dockerfile?

- A. Local port 8080 of the container that launched with this docker image is accessible from co-hosted containers and external clients.
- B. Local port 8080 is not reachable at all because no IP address is specified along with the EXPOSE command of the Dockerfile.
- C. Local port 8080 is accessible from other containers running on the same docker host as the container that launched with this docker image.
- D. Local port 8080 of the container that launched with this docker image is accessible to external clients.

**Answer: C**

Question: 151 Section 1

Refer to the exhibit.



Which OWASP threat does this example demonstrate?

- A. broken access control
- B. cross-site scripting
- C. SQL injection
- D. man-in-the-middle

**Answer: B**

<https://owasp.org/www-chapter-coimbatore/assets/files/Web%20Application%20Security%20Adithyan%20AK.pdf>

Question: 152 Section 1

What are two benefits of model-driven programmability? (Choose two.)

- A. easier to design, deploy, and manage APIs
- B. single choice of transport, protocol, and encoding
- C. models decoupled from transport, protocol, and encoding
- D. model-based, structured, and human friendly
- E. model-driven APIs for abstraction and simplification

**Answer: CE**

<https://www.ciscolive.com/c/dam/r/ciscolive/emea/docs/2018/pdf/BRKSPG-2303.pdf>

Question: 153 Section 1

Which API must an engineer use to change a netmask on a Cisco IOS XE device?

- A. Meraki
- B. SD-WAN
- C. RESTCONF/YANG
- D. DNAC

**Answer: C**

Question: 154 Section 1

**DRAG DROP -**

Drag and drop the types of management from the left onto the levels at which they are performed on the right.

Select and Place:

- user and programmability interaction through the use of lower level APIs
- user and programmability interaction through the use of Northbound APIs
- iterate over a list of devices
- configure features with YANG models

Controller level
Device level

- user and programmability interaction through the use of lower level APIs
- user and programmability interaction through the use of Northbound APIs
- iterate over a list of devices
- configure features with YANG models

Controller level
user and programmability interaction through the use of Northbound APIs
configure features with YANG models
Device level
user and programmability interaction through the use of lower level APIs
iterate over a list of devices

**Answer:**

Question: 155 Section 1

What is the purpose of a MAC address on a network device?

- A. unique network address that identifies the network interface of a device
- B. unique network interface address that is provided by the DHCP server
- C. unique hardware address that identifies the network interface of a device
- D. unique hardware interface address that is provided by the central switch

**Answer: C**

Question: 156 Section 1

How are load balancers used in modern application deployments?

- A. Turn off traffic and take down compute units, then update and bring the compute units back up.
- B. Allow traffic to continue as new compute units are brought up and old compute units are taken down.
- C. Allow http and https traffic to continue as old compute units are discontinued before new units are brought up.
- D. Bring up new compute units, test the compute units, and switch the traffic from old units to new units.

**Answer: D**

Question: 157 Section 1

Which advantage does the agile process offer compared to waterfall software development?

- A. to add or update features with incremental delivery



- B. to view the full scope of end-to-end work
- C. to have each phase end before the next begins
- D. to fix any issues at the end of the development cycle

**Answer: A**

Question: 158 Section 1

Which protocol must be allowed on the firewall so that NTP services work properly?

- A. TCP
- B. ICMP
- C. BGP
- D. UDP

**Answer: D**

<https://www.cisco.com/c/en/us/support/docs/ip/network-time-protocol-ntp/108076-ntp-troubleshoot.html>

Question: 159 Section 1

Refer to the exhibit.

#### Local File Attachments

To send local file attachments, simply post a message by including your access token in the Authorization header and the path to your local file with the files parameter. Optionally, you can also include a plain-text message with the attachment by using the text parameter. When uploading files directly from your local filesystem, your request will need to be a multipart/form-data request rather than JSON

```
curl --request POST \
  --form "files=@/home/desktop/example.png;type=image/png" \
  --form "roomId=Y21zY2....." \
  --form "text=example attached" \
  https://webexapis.com/v1/messages
```

A developer needs to upload a local file by using the REST API. The developer gathers information according to the documentation and sends the request by using the cURL command in the exhibit but gets an error code. Which action should be followed to get a valid response?

- A. change content-type as JSON
- B. add the authorization header with the access token
- C. and a username-password combination to request command
- D. change request method as GET

**Answer: B**

<https://developer.webex.com/docs/api/basics>

Question: 160 Section 1

Which HTTP response code should be returned when the request is completed but there is no content to send for the request?

- A. 100
- B. 204
- C. 302
- D. 402

**Answer: B**

[https://developer.mozilla.org/en-US/docs/Web/HTTP/Status#successful\\_responses](https://developer.mozilla.org/en-US/docs/Web/HTTP/Status#successful_responses)

Question: 161 Section 1

A developer needs to prepare the file README.md in the working tree for the next commit operation using Git. Which command needs to be used to accomplish this?

- A. git -a README.md
- B. git add README.md
- C. git add README.md staging
- D. git commit README.md

**Answer: B**

<https://teamtreehouse.com/community/committing-the-readmemd-file-to-repository>

Question: 162 Section 1

Which tool allows changes to the configuration management toolset to be tested?

- A. pyATS
- B. NAPALM
- C. Cisco VIRL
- D. Ansible

**Answer: D**

Question: 163 Section 1

Refer to the exhibit.

#### Generating Client ID and API Key:

- Log in to your AMP for Endpoints Console.
- Go to Accounts > Business Settings.
- Click Configure API Credentials under Features to generate the Client ID and secure API Key.

Once you have the API client ID and API key, you can make the API calls as follows:

```
https://<your_client_id>:<your_api_key>@<api_endpoint>
```

Alternatively you can use Basic HTTP Authentication. Base 64 encode the string ":", and send that prefixed with the string "Basic" as the authorization header. For instance, if your client\_id was 1234, and your api\_key was "atest", then it would be base64 encoded to "MTIzNDphdGVzdA==", and your header would be:

```
Authorization: Basic MTIzNDphdGVzdA==
```

The documentation outlines how to use credentials for the AMP API. Which script successfully performs an API call using basic authentication?

A.

```
import requests
amp_auth_token = 'a1b2c3d4e5f6g7h8i9j0 k1l2m3n4o5p6'
url = 'https://api.amp.cisco.com/v1/version'
request = requests.get(url,
    auth=(amp_auth_token))
print(request.json())
```

B.

```
import requests
amp_client_id = 'a1b2c3d4e5f6g7h8i9j0'
amp_api_key = 'a1b2c3d4-e5f6-g7h8-i9j0-k1l2m3n4o5p6'
url = 'https://api.amp.cisco.com/v1/version'
request = requests.get(url,
    auth=(amp_client_id, amp_api_key))
print(request.json())
```

C.

```
import requests
amp_client_id = 'a1b2c3d4e5f6g7h8i9j0'
amp_api_key = 'a1b2c3d4-e5f6-g7h8-i9j0-k1l2m3n4o5p6'
url = 'https://api.amp.cisco.com/v1/version'
request = requests.get(url)),
print(request.json())
```

D.

```
import requests
amp_client_id = 'alb2c3d4e5f6g7h8i9j0'
amp_login_password = '10g1n_p@ssw0rd'
url = 'https://api.amp.cisco.com/v1/version'
request = requests.get(url,
    auth=(amp_client_id, amp_login_password))
print(request.json())
```

**Answer:** B

Question: 164 Section 1

In test-driven development, what are two of the green bar patterns? (Choose two.)

- A. another test
- B. break
- C. triangulate
- D. starter test
- E. fake it

**Answer:** CE

<https://www.cs.uic.edu/~i442/Patterns%20for%20TDD.pdf>

Question: 165 Section 1

Which protocol runs over TCP port 22?

- A. SSH
- B. NETCONF
- C. HTTP
- D. Telnet

**Answer:** A

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