

➤ **Vendor: Cisco**

➤ **Exam Code: 350-901**

➤ **Exam Name: Developing Applications Using Cisco Core Platforms and APIs (DEVCOR)**

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QUESTION 143

Refer to the exhibit. Which key value pair from the ios_ntp Ansible module creates the NTP server peer?

```
---
- name: IOS XE Configuration
  hosts: ios_xe
  connection: local
  gather_facts: false

  tasks:
  - name: IOS NTP
    ios_ntp:
      provider: "{{ creds }}"
      server: 10.0.255.10
      source_int: GigabitEthernet2
      logging: false
```

- A. state: absent
- B. state: False
- C. config: absent
- D. config: False

Answer: D

QUESTION 144

A developer deploys a SQLite database in a Docker container. Single-use secret keys are generated each time a user accesses the database. The keys expire after 24 hours. Where should the keys be stored?

- A. Outside of the Docker container in the source code of applications that connect to the SQLite database.
- B. In a separate file inside the Docker container that runs the SQLite database.
- C. In an encrypted database table within the SQLite database.
- D. In a separate storage volume within the Docker container.

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Answer: D

QUESTION 145

While working with the Webex Teams API, on an application that uses end-to-end encryption, a webhook has been received. What must be considered to read the message?

- A. Webhook information cannot be used to read the message because of end-to-end encryption. The API key is needed to decrypt the message.
- B. Webhook returns the full unencrypted message. Only the body is needed to query the API.
- C. Webhook returns a hashed version of the message that must be unhashed with the API key.
- D. Webhook returns message identification. To query, the API is needed for that message to get the decrypted information.

Answer: A

QUESTION 146

Which Puppet manifest needs to be used to configure an interface GigabitEthernet 0/1 on a Cisco IOS switch?

A.

```
ios_interface {  
    name                => 'GigabitEthernet0/1',  
    link_status          => false,  
    logging_event        => [  
        'spanning-tree',  
        'subif-link-status'  
    ],  
    logging_event_link_status => false,  
    ip_dhcp_snooping_trust => true,  
    ip_dhcp_snooping_limit => 1500,  
}
```

B.

```
ios_interface {  
    'GigabitEthernet0/1' => {  
        link_status      => false,  
        logging_event    => [  
            'spanning-tree',  
            'subif-link-status'  
        ],  
        logging_event_link_staus => false,  
        ip_dhcp_snooping_trust => true,  
        ip_dhcp_snooping_limit => 1500,  
    }  
}
```

C.

```
ios_interface {  
    id => 'GigabitEthernet0/1',  
    link_status => false,  
    logging_event => [  
        'spanning-tree',  
        'subif-link-status'  
    ],  
    logging_event_link_status => false,  
    ip_dhcp_snooping_trust => true,  
    ip_dhcp_snooping_limit => 1500,  
}
```

D.

```
ios_interface { 'GigabitEthernet0/1':  
    link_status => false,  
    logging_event => [  
        'spanning-tree',  
        'subif-link-status'  
    ],  
    logging_event_link_status => false,  
    ip_dhcp_snooping_trust => true,  
    ip_dhcp_snooping_limit => 1500,  
}
```

Answer: D

QUESTION 147

What are two steps in the OAuth2 protocol flow? (Choose two.)

- A. The user is authenticated by the authorization server and granted an access token.
- B. The user's original credentials are validated by the resource server and authorization is granted.
- C. The user indirectly requests authorization through the authorization server.
- D. The user requests an access token by authentication and authorization grant presentation.
- E. The user requests the protected resource from the resource server using the original credentials.

Answer: AE

Explanation:

<https://www.digitalocean.com/community/tutorials/an-introduction-to-oauth-2>

QUESTION 148

Refer to the exhibit. A developer must create a new network object named testnetwork by using the Cisco Firepower Device Management API. The script must also handle any exceptions that occur during the request and print out any resulting errors. Which script must be used?

POST /object/networks

Implementation Notes
This API call is not allowed on the standby unit in an HA pair.

Response Class (Status 200)

Model	Example Value
	<pre>{ "version": "string", "name": "string", "description": "string", "subType": "HOST", "value": "string" "links": { "self": "string" } }</pre>

A.

```
import requests, json
headers = { 'Content-type': 'application/json' }
data = {"name": "testnetwork",
"description": "Test Network", "subType" : "HOST",
"value": "192.168.1.1", "type" : "networkobject"}
try:
    response = requests.post(
        'https://firepower-server/object/networks',
        data=data)
except:
    print(error)
```

B.

```
import requests, json
headers = { 'Content-type': 'application/json' }
data = {"name": "testnetwork",
"description": "Test Network", "subType" : "HOST",
"value": "192.168.1.1", "type" : "networkobject"}
try:
    response = requests.post(
        'https://firepower-server/object/networks',
        data=data, headers=headers)
    response.raise_for_status()
except:
    print(error)
```

C.

```
import requests, json
headers = { 'Content-type': 'application/json' }
data = {"name": "testnetwork",
"description": "Test Network", "subType" : "HOST",
"value": "192.168.1.1", "type" : "networkobject"}
try:
    response = requests.post(
        'http://firepower-server/object/networks',
        data=json.dumps(headers), headers=data)
    response.raise_for_status()
except:
    print(error)
```

D.

```
import requests, json
headers = { 'Content-type': 'application/json' }
data = {"name": "testnetwork",
"description": "Test Network", "subType" : "HOST",
"value": "192.168.1.1", "type" : "networkobject"}
try:
    response = requests.post(
        'https://firepower-server/object/networks',
        data=json.dumps(data), headers=headers)
    response.raise_for_status()
except:
    print(error)
```

Answer: A**QUESTION 149**

What is the gRPC Network Management Interface protocol?

- A. a unified management protocol for streaming telemetry and database logging
- B. a configuration management protocol for monitoring
- C. a protocol for configuration management and streaming telemetry
- D. a logging protocol used across database servers

Answer: C**Explanation:**

<https://infohub.delltechnologies.com//enterprise-sonic-distribution-by-dell-technologies-lifecycle-management/grpc-network-management-interface>

QUESTION 150

An application has been developed for monitoring rooms in Cisco Webex. An engineer uses the application to retrieve all the messages from a Cisco Webex room, but the results are slowly presented. Which action optimizes calls to retrieve the messages from the /v1/messages endpoint?

- A. Define the ma property by using the pagination functionality.
- B. Set the beforeMessage property to retrieve the messages sent before a specific message ID.
- C. Avoid unnecessary calls by using a prior request to /v1/rooms to retrieve the last activity property.
- D. Filter the response results by specifying the created property in the request.

Answer: A

Explanation:

<https://apphub.webex.com/messaging/applications/paginate-cisco-systems-82277>

QUESTION 151

What are two principles according to the build, release, run principle of the twelve-factor app methodology? (Choose two.)

- A. Code changes are able to be made at runtime.
- B. Separation between the build, release, and run phases.
- C. Releases should have a unique identifier.
- D. Existing releases are able to be mutated after creation.
- E. Release stage is responsible for compilation of assets and binaries.

Answer: BC

Explanation:

<https://www.bmc.com/blogs/twelve-factor-app/>

QUESTION 152

A developer is building an application to access a website. When running the application, an HTTP 403 error code has been received. How should the application be modified to handle this code?

- A. Create a loop on cancel the operation and run a new one after the code is received.
- B. Use exponential backoff when retrying distributed services and other remote endpoints.
- C. Build a try/except around the urlopen to find errors occurring in the request.
- D. Redirect the request to an internal web server and make a new request from the internal resource.

Answer: B

QUESTION 153

When end-to-end encryption is implemented, which area is most vulnerable to exploitation?

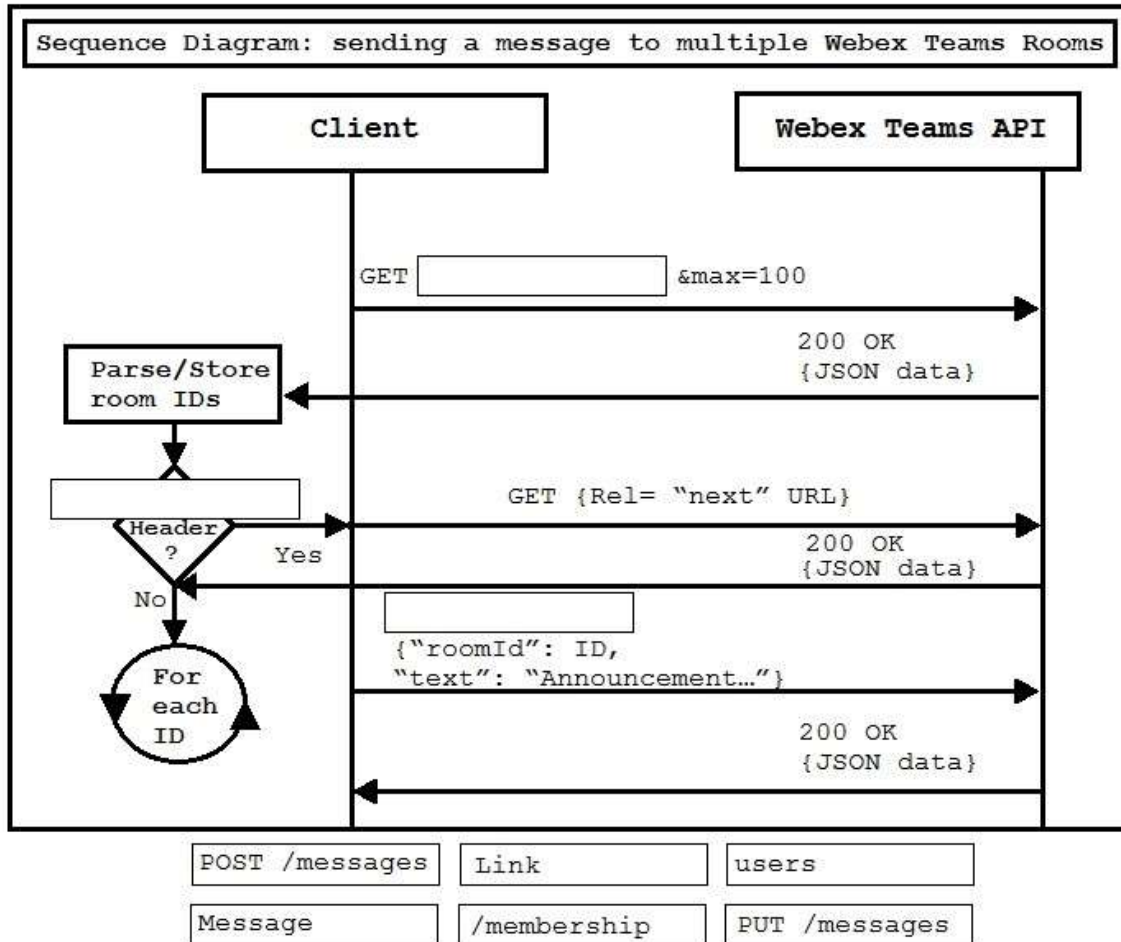
- A. cryptographic key exchange
- B. endpoint security
- C. cryptographic key generation
- D. security of data in transit

Answer: B

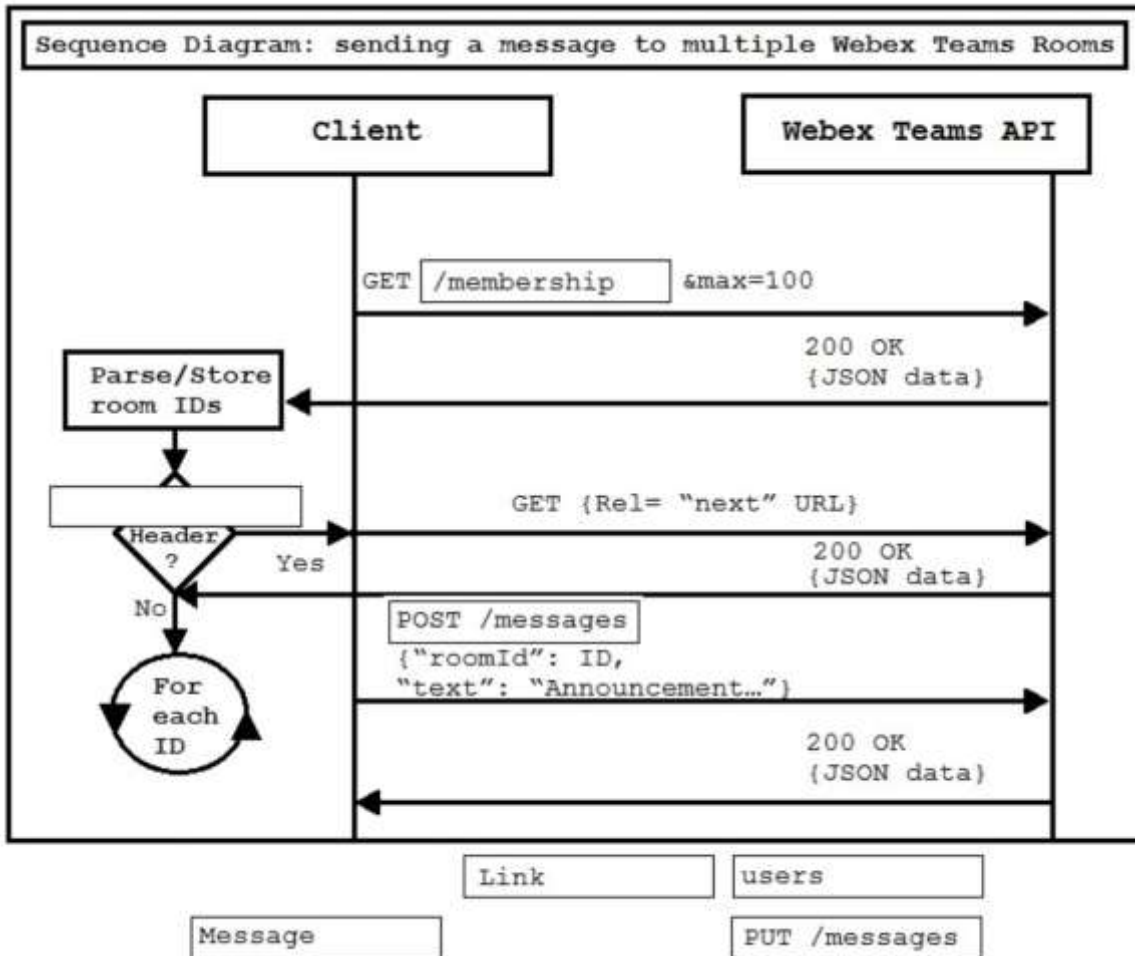
QUESTION 154

Drag and Drop Question

Drag and drop the code from the bottom onto the box where the code is missing in the diagram to show how data is processed in Webex Teams. Not all options are used.



Answer:



QUESTION 155

Refer to the exhibit. The presented application consists of a Nginx container and a load balancer service. Which GitLab CI/CD configuration implements the Kubernetes deployment?


```
#k8s-nginx.yml
---
apiVersion: apps/v1
kind: Deployment
metadata:
  name: nginx-deployment
  labels:
    app: nginx
spec:
  replicas: 1
  selector:
    matchLabels:
      app: nginx
  template:
    metadata:
      labels:
        app: nginx
    spec:
      containers:
        - name: nginx
          image: nginx
          ports:
            - name: nginx-port
              containerPort: 80
---
apiVersion: v1
kind: Service
metadata:
  name: load-balancer
spec:
  selector:
    app: nginx
  ports:
    - port: 80
      targetPort: nginx-port
  type: LoadBalancer
```

A.

```
Deploy:
  stage: Deployment
  script:
    - kubectl exec -k k8s-nginx.yml
```

B.

```
Deploy:
  stage: Deployment
  script:
    - kubectl apply -f k8s-nginx.yml
```

- C.

```
Deploy:
  stage: Deployment
  script:
    - kubectl apply -k k8s-nginx.yml /patch/to/cluster
```
- D.

```
Deploy:
  stage: Deployment
  script:
    - kubectl exec -f k8s-nginx.yml /patch/to/cluster
```

Answer: B

QUESTION 156

What are two benefits of using distributed log collectors? (Choose two.)

- A. supports multiple transport protocols such as TCP/UDP
- B. improves performance and reduces resource consumption
- C. provides flexibility due to a wide range of plugins and accepted log formats
- D. enables extension of logs with fields and export to backend systems
- E. buffers and resends data when the network is unavailable

Answer: BE

QUESTION 157

What are two features of On-Box Python for hosting an application on a network device? (Choose two.)

- A. It has direct access to Cisco IOS XE CLI commands.
- B. It is a Python interpreter installed inside the guest shell.
- C. It enables execution of XML scripts on a Cisco IOS XE router or switch.
- D. It supports Qt for graphical interfaces and dashboards.
- E. It has access to Cisco IOS XE web UI through a controller.

Answer: AB

Explanation:

https://blog.wimwauters.com/networkprogrammability/2020-06-08_guestshell_onbox/

QUESTION 158

Refer to the exhibit. An engineer is configuring Ansible to run playbooks against Cisco IOS XE Software. What should be configured in ansible.cfg as the connection type?

```
[all:vars]
ansible_connection=
ansible_user=admin
ansible_network_os=ios
```

- A. network_cli
- B. ssh
- C. shell
- D. command

Answer: B

Explanation:

https://docs.ansible.com/ansible/latest/user_guide/intro_inventory.html

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