



Cisco

Exam Questions 350-901

Developing Applications using Cisco Core Platforms & APIs

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NEW QUESTION 1

An organization manages a large cloud-deployed application that employs a microservices architecture. No notable issues occur with downtime because the services of this application are redundantly deployed over three or more data center regions. However, several times a week reports are received about application slowness. The container orchestration logs show faults in a variety of containers that cause them to fail and then spin up brand new. Which action must be taken to improve the resiliency design of the application while maintaining current scale?

- A. Update the base image of the containers.
- B. Test the execution of the application with another cloud services platform.
- C. Increase the number of containers running per service.
- D. Add consistent “try/catch(exception)” clauses to the code.

Answer: D

NEW QUESTION 2

Which two situations are flagged by software tools designed for dependency checking in continuous integration environments, such as OWASP? (Choose two.)

- A. publicly disclosed vulnerabilities related to the included dependencies
- B. mismatches in coding styles and conventions in the included dependencies
- C. incompatible licenses in the included dependencies
- D. test case failures introduced by bugs in the included dependencies
- E. buffer overflows to occur as the result of a combination of the included dependencies

Answer: AE

NEW QUESTION 3

A network operations team is using the cloud to automate some of their managed customer and branch locations. They require that all of their tooling be ephemeral by design and that the entire automation environment can be recreated without manual commands. Automation code and configuration state will be stored in git for change control and versioning. The engineering high-level plan is to use VMs in a cloud-provider environment then configure open source tooling onto these VMs to poll, test, and configure the remote devices, as well as deploy the tooling itself. Which configuration management and/or automation tooling is needed for this solution?

- A. Ansible
- B. Ansible and Terraform
- C. NSO
- D. Terraform
- E. Ansible and NSO

Answer: B

NEW QUESTION 4

An application is hosted on Google Kubernetes Engine. A new JavaScript module is created to work with the existing application. Which task is mandatory to make the code ready to deploy?

- A. Create a Dockerfile for the code base.
- B. Rewrite the code in Python.
- C. Build a wrapper for the code to “containerize” it.
- D. Rebase the code from the upstream git repo.

Answer: D

NEW QUESTION 5

Which database type should be used with highly structured data and provides support for ACID transactions?

- A. time series
- B. document
- C. graph
- D. relational

Answer: D

NEW QUESTION 6

Which two statements about a stateless application are true? (Choose two.)

- A. Different requests can be processed by different servers.
- B. Requests are based only on information relayed with each request.
- C. Information about earlier requests must be kept and must be accessible.
- D. The same server must be used to process all requests that are linked to the same state.
- E. No state information can be shared across servers.

Answer: AB

NEW QUESTION 7

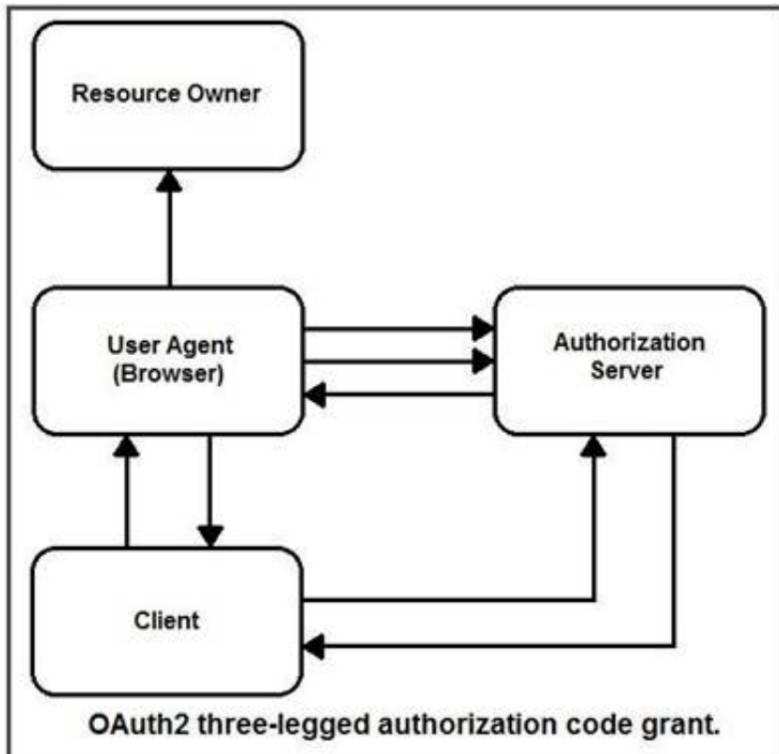
Which transport protocol is used by gNMI?

- A. HTTP/2

- B. HTTP 1.1
- C. SSH
- D. MQTT

Answer: A

NEW QUESTION 8
 DRAG DROP



Refer to the exhibit. Drag and drop the steps from the left into the correct order of operation on the right for a successful OAuth2 three-legged authorization code grant flow.

Select and Place:

Answer Area

Client initiates the flow.	step 1
The authorization server authenticates the client, validates details sent, and responds with an access token.	step 2
The authorization server redirects the user-agent back to the client using the redirection URI provided.	step 3
The authorization server authenticates the resource owner.	step 4
The client requests an access token from the authorization server's token endpoint.	step 5

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Client initiates the flow.	Client initiates the flow.
The authorization server authenticates the client, validates details sent, and responds with an access token.	The authorization server redirects the user-agent back to the client using the redirection URI provided.
The authorization server redirects the user-agent back to the client using the redirection URI provided.	The authorization server authenticates the resource owner.
The authorization server authenticates the resource owner.	The client requests an access token from the authorization server's token endpoint.
The client requests an access token from the authorization server's token endpoint.	The authorization server authenticates the client, validates details sent, and responds with an access token.

NEW QUESTION 9

Refer to the exhibit. The cURL POST request creates an OAuth access token for authentication with FDM API requests. What is the purpose of the file "@token_data" that cURL is handling?

- A. This file is a container to log possible error responses in the request.

- B. This file is given as input to store the access token received from FDM.
- C. This file is used to send authentication related headers.
- D. This file contains raw data that is needed for token authentication.

Answer: B

NEW QUESTION 10

User report that they can no longer process transactions with the online ordering application, and the logging dashboard is displaying these messages.
 Fri Jan 10 19:37:31.123 EST 2020 [FRONTEND] INFO: Incoming request to add item to cart from user 45834534858 Fri Jan 10 19:37:31 247 EST 2020 [BACKEND] INFO: Attempting to add item to cart
 Fri Jan 10 19:37:31 250 EST 2020 [BACKEND] ERROR: Failed to add item: MYSQLDB ERROR: Connection refused What is causing the problem seen in these log messages?

- A. The database server container has crashed.
- B. The backend process is overwhelmed with too many transactions.
- C. The backend is not authorized to commit to the database.
- D. The user is not authorized to add the item to their cart.

Answer: A

NEW QUESTION 10

A user is receiving a 429 Too Many Requests error. Which scheme is the server employing that causes this error?

- A. rate limiting
- B. time outs
- C. caching
- D. redirection

Answer: A

NEW QUESTION 11

Refer to the exhibit. An application uses an API to periodically sync a large data set. Based on the HTTP message sequence provided, which statements are true about the caching behavior seen in the scenario? (Choose two.)

- A. The full dataset was transmitted to the client twice.
- B. The dataset changed sometime between message #4 and #5.
- C. A partial dataset was transmitted to the client in message #4.
- D. The dataset did not change during the scenario.
- E. Messages #3 and #5 are equivalent.

Answer: AD

NEW QUESTION 12

Which RFC5988 (Web Linking) relation type is used in the Link header to control pagination in APIs?

- A. rel="index"
- B. rel="page"
- C. rel="next"
- D. rel="section"

Answer: C

NEW QUESTION 13

```
response = requests.get(url)
if response.status_code != 200:
    error_message = "Unexpected HTTP Response code: {}".format(response.status_code)
    raise Exception(error_message)
data = response.json()
```

Refer to the exhibit. This snippet of a script has recently started exiting abnormally with an exception stating "Unexpected HTTP Response code: 429". Which solution handles rate limiting by the remote API?

A.

```
response = requests.get(url)
if response.status_code == 429:
    backoff_seconds = int(response.headers['Retry-After'])
    sleep(backoff_seconds)
elif response.status_code != 200:
    error_message = "Unexpected HTTP Response code: {}".format(response.status_code)
    raise Exception(error_message)
data = response.json()
```

B.

```
response = requests.get(url)
if response.status_code != 200 and response.status_code != 429:
    error_message = "Unexpected HTTP Response code: {}".format(response.status_code)
    raise Exception(error_message)
data = response.json()
```

C.

```
response = requests.get(url)
if response.status_code != 200 and response.status_code != 429:
    backoff_seconds = int(response.headers['Retry-After'])
    sleep(backoff_seconds)
    error_message = "Unexpected HTTP Response code: {}".format(response.status_code)
    raise Exception(error_message)
data = response.json()
```

D.

```
response = requests.get(url)
if response.status_code == 429:
    backoff_seconds = int(response.headers['Retry-After'])
    sleep(backoff_seconds)
    response = requests.get(url)
elif response.status_code != 200:
    error_message = "Unexpected HTTP Response code: {}".format(response.status_code)
    raise Exception(error_message)
data = response.json()
```

Answer: D

NEW QUESTION 17

An application uses OAuth to get access to several API resources on behalf of an end user. What are two valid parameters to send to the authorization server as part of the first step of an authorization code grant flow? (Choose two.)

- A. URI to which the authorization server will send the user-agent back when access is granted or denied
- B. list of the API resources that the application is requesting to access
- C. secret that was generated by the authorization server when the application registered as an OAuth integration
- D. list of scopes that correspond to the API resources to which the application is requesting to access
- E. name of the application under which the application registered as an OAuth integration

Answer: AC

NEW QUESTION 21

Refer to the exhibit. Which set of API requests must be executed by a Webex Teams bot after receiving a webhook callback to process messages in a room and reply with a new message back to the same room?

- A. **GET /message&roomId=<ROOM_ID>**

POST /messages
{ "roomId": "<ROOM_ID>", "text": "<MESSAGE>" }
- B. **GET /messages&mentionedPeople=me&roomId=<ROOM_ID>**

PUT /messages
{ "roomId": "<ROOM_ID>", "text": "<MESSAGE>" }
- C. **GET /message&roomId=<ROOM_ID>**

PUT /messages
{ "roomId": "<ROOM_ID>", "text": "<MESSAGE>" }
- D. **GET /messages&mentionedPeople=me&roomId=<ROOM_ID>**

POST /messages
{ "roomId": "<ROOM_ID>", "text": "<MESSAGE>" }

Answer: B

NEW QUESTION 25

Which snippet presents the correct API call to configure, secure, and enable an SSID using the Meraki API?

- A. `curl -X PUT \`
`--url 'https://api.meraki.com/api/v0/networks/:networkId/ssids/2' \`
`-H 'X-Cisco-Meraki-API-Key: 15da0c6ffff295f16267f88f98694cf29a86ed87' \`
`-H 'Accept: application/json' \`
`-H 'Content-type: application/json' \`
`--data-raw '{`
 `"name": "My SSID",`
 `"enabled": false,`
 `"authMode": "psk",`
 `"encryptionMode": "wpa",`
 `"psk": "meraki123",`
 `"wpaEncryptionMode": "WPA1 and WPA2"`
`}'`
- B. `curl -X PUT \`
`--url 'https://api.meraki.com/api/v0/networks/:networkId/ssids/2' \`
`-H 'X-Cisco-Meraki-API-Key: 15da0c6ffff295f16267f88f98694cf29a86ed87' \`
`-H 'Accept: application/json' \`
`-H 'Content-type: application/json' \`
`--data-raw '{`
 `"name": "My SSID",`
 `"enabled": true,`
 `"authMode": "psk",`
 `"encryptionMode": "wpa",`
 `"psk": "meraki123",`
 `"wpaEncryptionMode": "WPA1 and WPA2"`
`}'`
- C. `curl -X PUT \`
`--url 'https://api.meraki.com/api/v0/networks/:networkId/ssids/2' \`
`-H 'X-Cisco-Meraki-API-Key:`
`15da0c6ffff295f16267f88f98694cf29a86ed87' \`
`-H 'Accept: application/json' \`
`-H 'Content-type: application/json' \`
`--data-raw '{`
 `"enabled": true,`
 `"useVlanTagging": true`
`}'`
- D. `curl -X PUT \`
`--url 'https://api.meraki.com/api/v0/networks/:networkId/ssids/2' \`
`-H 'X-Cisco-Meraki-API-Key: 15da0c6ffff295f16267f88f98694cf29a86ed87' \`
`-H 'Accept: application/json' \`
`-H 'Content-type: application/json' \`
`--data-raw '{`
 `"name": "My SSID",`
 `"enabled": true,`
`}'`

Answer: B

NEW QUESTION 29

The UCS Python SDK includes modules for Service Profile template creation. Which two UCS Service Profile template types are supported? (Choose two.)

- A. initial-template
- B. updating-template
- C. abstract-template
- D. attached-template
- E. base-template

Answer: AB

NEW QUESTION 32

A container running a Python script is failing when it reaches the integration testing phase of the CI/CD process. The code has been reviewed thoroughly and the build process works on this container and all other containers pass unit and integration testing. What should be verified to resolve the issue?

- A. that the correct port is exposed in the Dockerfile
- B. that the necessary modules and packages are installed on build
- C. that the script is running from the right directory
- D. that the Python version of the container image is correct

Answer: B

NEW QUESTION 34

AppGigabitEthernet interface is used as data port for a container on a Cisco Catalyst 9000 Series Switch. Which two interface configuration options should be used? (Choose two.)

- A. trunk interface
- B. bridged virtual interface
- C. SPAN port
- D. management interface
- E. subinterface

Answer: AC

NEW QUESTION 35

```
headers = ( _____ )
try:
    response = requests.get("https://sandboxdnac.cisco.com/dna/intent/api/v1/wireless/profile",
        headers=headers, verify=False)
except requests.exceptions.RequestException as cerror:
    print("Error processing request", cerror)
    sys.exit(1)
```

Refer to the exhibit. Which code snippet is required in the headers to successfully authorize wireless information from Cisco DNA Center?

- A. headers = {'X-auth-token':'fa8426a0-8eaf-4d22-8e13-7c1b16a9370c'} B.headers = {'Authorization':'Basic YWRtaW46R3JhcGV2aW5IMQ==}'
- B. headers = {'Authorization':'Bearer ASDNFALKJER23412RKDALSNKF'}
- C. headers = {'Content-type':'application/json'}

Answer: A

NEW QUESTION 40

While developing an application following the 12-factor app methodology, which approach should be used in the application for logging?

- A. Write a log to a file in the application directory.
- B. Write a log to a file in /var/log.
- C. Write the logs buffered to stdout.
- D. Write the logs unbuffered to stdout.

Answer: D

NEW QUESTION 44

An application has initiated an OAuth authorization code grant flow to get access to an API resource on behalf of an end user. Which two parameters are specified in the HTTP request coming back to the application as the end user grants access? (Choose two.)

- A. access token and a refresh token with respective expiration times to access the API resource
- B. access token and expiration time to access the API resource
- C. redirect URI a panel that shows the list of permissions to grant
- D. code that can be exchanged for an access token
- E. state can be used for correlation and security checks

Answer: AB

NEW QUESTION 45

A developer has just completed the configuration of an API that connects sensitive internal systems. Based on company policies, the security of the data is a high priority. Which approach must be taken to secure API keys and passwords?

- A. Embed them directly in the code.
- B. Store them in a hidden file.
- C. Store them inside the source tree of the application.
- D. Change them periodically.

Answer: D

NEW QUESTION 48

Which two principles are included in the codebase tenet of the 12-factor app methodology? (Choose two.)

- A. An application is always tracked in a version control system.
- B. There are multiple codebases per application.
- C. The codebase is the same across all deploys.
- D. There can be a many-to-one correlation between codebase and application.
- E. It is only possible to have one application deployment per codebase.

Answer: AE

NEW QUESTION 52

What is submitted when an SSL certificate is requested?

- A. PEM
- B. CRT
- C. DER
- D. CSR

Answer: D

NEW QUESTION 55

Which type of file is created from issued intermediate, root, and primary certificates for SSL installation on a server?

- A. DER
- B. CSR
- C. PEM
- D. CRT

Answer: C

NEW QUESTION 58

Which two techniques protect against injection attacks? (Choose two.)

- A. input validation
- B. trim whitespace
- C. limit text areas to 255 characters
- D. string escaping of user free text and data entry
- E. only use dropdown, checkbox, and radio button fields

Answer: AE

NEW QUESTION 61

```
apiVersion: v1
clusters:
- cluster:
  certificate-authority: fake-ca-file
  server: https://1.2.3.4
  name: development
- cluster:
  insecure-skip-tls-verify: true
  server: https://5.6.7.8
  name: scratch
contexts:
- context:
  cluster: development
  namespace: frontend
  user: developer
  name: dev-frontend
- context:
  cluster: development
  namespace: storage
  user: developer
  name: dev-storage
- context:
  cluster: scratch
  namespace: default
  user: experimenter
  name: exp-scratch
current context: ""
kind: Config
preferences: {}
users:
- name: developer
  user:
    client-certificate: fake-cert-file
    client-key: fake-key-file
- name: experimenter
  user:
    password: some-password
    username: exp
```

Refer to the exhibit. A kubeconfig file to manage access to clusters is provided. How many clusters are defined and which of them are accessed using username/password authentication versus certificate?

- A. two clusters; scratch
- B. three clusters; scratch

- C. three clusters; development
- D. two clusters; development

Answer: C

NEW QUESTION 65

```
open_file = open("text_file.txt", "r")
read_file = open_file.read()
print(read_file)
```

Refer to the exhibit. a developer created the code, but it fails to execute. Which code snippet helps to identify the issue?

- A.

```
try:
    open_file = open("text_file.txt", "r")
    read_file = open_file.read()
    print(read_file)
except:
    print("File not there")
```
- B.

```
try:
    print("File not there")
except:
    open_file = open("text_file.txt", "r")
    read_file = open_file.read()
    print(read_file)
```
- C.

```
try:
    open_file = open("text_file.txt", "r")
    read_file = open_file.read()
    print(read_file)
except:
    print("File not there")
catch:
    error(read_file)
```
- D.

```
open_file = open("text_file.txt", "r")
read_file = open_file.read()
try:
    print(read_file)
except:
    print("File not there")
```

Answer: C

NEW QUESTION 68

```
---
- 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
```

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

- A. state: present
- B. state: True
- C. config: present
- D. config: True

Answer: A

NEW QUESTION 70

A developer needs to configure an environment to orchestrate and configure. Which two tools should be used for each task? (Choose two.)

- A. Puppet for orchestration
- B. Terraform for orchestration
- C. Terraform for configuration
- D. Ansible for orchestration
- E. Ansible for configuration

Answer: BE

NEW QUESTION 72

Application sometimes store configuration as constants in the code, which is a violation of strict separation of configuration from code. Where should application configuration be stored?

- A. environment variables
- B. YAML files
- C. Python libraries
- D. Dockerfiles
- E. INI files

Answer: B

NEW QUESTION 76

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