

Exam Questions 350-901

Developing Applications using Cisco Core Platforms & APIs

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NEW QUESTION 1

A cloud native project is being worked on in which all source code and dependencies are written in Python, Ruby, and/or JavaScript. A change in code triggers a notification to the CI/CD tool to run the CI/CD pipeline.

Which step should be omitted from the pipeline?

- A. Deploy the code to one or more environments, such as staging and/or production.
- B. Build one of more containers that package up code and all its dependencies.
- C. Compile code.
- D. Run automated tests to validate the correctness.

Answer: A

NEW QUESTION 2

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 3

An organization manages a large cloud-deployed application that employs a microservices architecture across multiple data centers. Reports have received about application slowness. The container orchestration logs show that faults have been raised in a variety of containers that caused them to fail and then spin up brand new instances.

Which two actions can improve the design of the application to identify the faults? (Choose two.)

- A. Automatically pull out the container that fails the most over a time period.
- B. Implement a tagging methodology that follows the application execution from service to service.
- C. Add logging on exception and provide immediate notification.
- D. Do a write to the datastore every time there is an application failure.
- E. Implement an SNMP logging system with alerts in case a network link is slow.

Answer: BC

NEW QUESTION 4

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 5

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 6

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 7

Where should distributed load balancing occur in a horizontally scalable architecture?

- A. firewall-side/policy load balancing
- B. network-side/central load balancing
- C. service-side/remote load balancing
- D. client-side/local load balancing

Answer: B

NEW QUESTION 8

Which statement about microservices architecture is true?

- A. Applications are written in a single unit.
- B. It is a complex application composed of multiple independent parts.
- C. It is often a challenge to scale individual parts.
- D. A single faulty service can bring the whole application down.

Answer: B

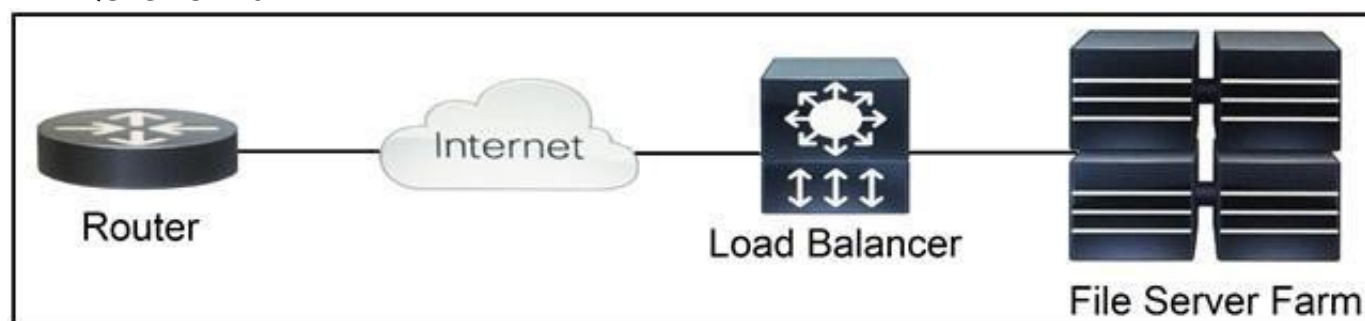
NEW QUESTION 9

Which two data encoding techniques are supported by gRPC? (Choose two.)

- A. XML
- B. JSON
- C. ASCII
- D. ProtoBuf
- E. YAML

Answer: BE

NEW QUESTION 10



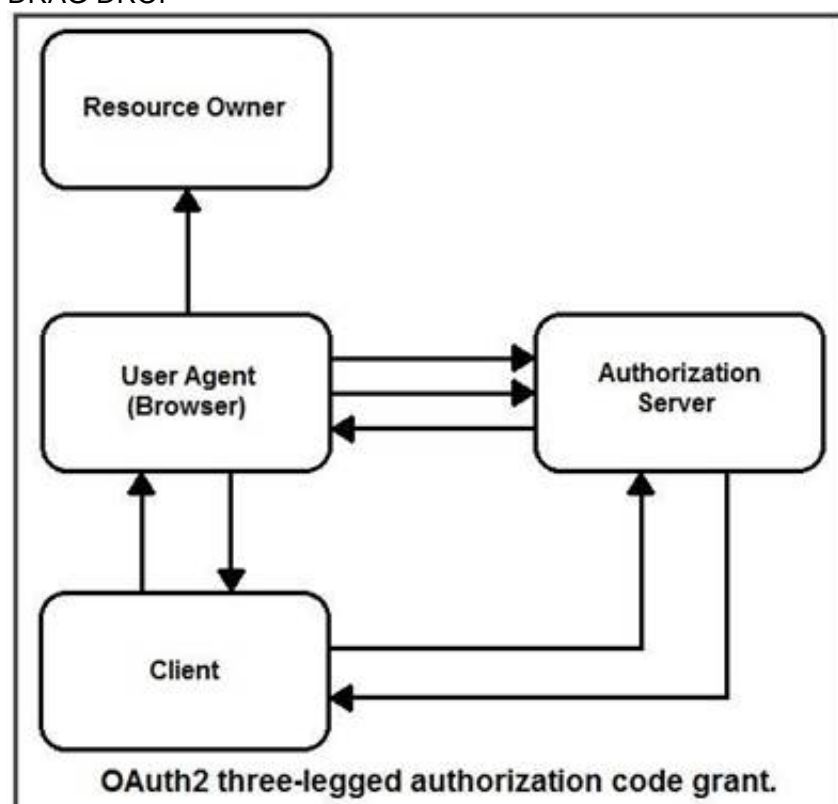
Refer to the exhibit. Which two functions are performed by the load balancer when it handles traffic originating from the Internet destined to an application hosted on the file server farm? (Choose two.)

- A. Terminate the TLS over the UDP connection from the router and originate an HTTPS connection to the selected server.
- B. Terminate the TLS over the UDP connection from the router and originate an HTTP connection to the selected server.
- C. Terminate the TLS over the TCP connection from the router and originate an HTTP connection to the selected server.
- D. Terminate the TLS over the TCP connection from the router and originate an HTTPS connection to the selected server.
- E. Terminate the TLS over the SCTP connection from the router and originate an HTTPS connection to the selected server.

Answer: DE

NEW QUESTION 10

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 13

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 18

A client is written that uses a REST API to interact with a server. Using HTTPS as the transport, an HTTP request is sent and received an HTTP response. The response contains the HTTP response status code: 503 Service Unavailable.
Which action is the appropriate response?

- A. Add an Authorization header that supplies appropriate credentials and sends the updated request.
B. Resend the request using HTTP as the transport instead of HTTPS.
C. Add an Accept header that indicates the content types that the client understands and send the updated request.
D. Look for a Retry-After header in the response and resend the request after the amount of time indicated.

Answer: A

NEW QUESTION 19

```
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 22

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 26

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 27

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 31

On a Cisco Catalyst 9300 Series Switch, the guest shell is being used to create a service within a container. Which change is needed to allow the service to have external access?

- A. Apply ip nat overload on VirtualPortGroup0.
- B. Apply ip nat inside on Interface VirtualPortGroup0.
- C. Apply ip nat outside on Interface VirtualPortGroup0.
- D. Apply ip nat inside on Interface GigabitEthernet1.

Answer: B

NEW QUESTION 32

Which tow actions must be taken when an observable microservice application is developed? (Choose two.)

- A. Know the state of a single instance of a single service.
- B. Place “try/except” statement in code.
- C. Place log statements in the code.
- D. Use distributed tracing techniques.
- E. Deploy microservice to multiple datacenters.

Answer: BC

NEW QUESTION 35

Which HTTP status code indicates that a client application is experiencing intentional rate limiting by the server?

- A. 202
- B. 401
- C. 429
- D. 503

Answer: C

NEW QUESTION 38

An automated solution is needed to configure VMs in numerous cloud provider environments to connect the environments to an SDWAN. The SDWAN edge VM is provided as an image in each of the relevant clouds and can be given an identity and all required configuration via cloud-init without needing to log into the VM once online.

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: E

NEW QUESTION 40

```
name: VRFs
ios_vrf:
  vrfs: "{{ local_vrfs }}"
  state: present
  purge: yes
```

Refer to the exhibit. The YAML represented is using the ios_vrf module. As part of the Ansible playbook workflow, what is the result when this task is run?

- A. VRFs not defined in the host_vars file are removed from the device.
- B. VRFs not defined in the host_vars file are added to the device, and any other VRFs on the device remain.
- C. VRFs defined in the host_vars file are removed from the device.
- D. VRFs are added to the device from the host_vars file, and any other VRFs on the device are removed.

Answer: D

NEW QUESTION 44

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