Cisco

Exam Questions 350-901

Developing Applications using Cisco Core Platforms & APIs

NEW QUESTION 1
A developer has created an application based on customer requirements. The customer needs to run the application with the minimum downtime. Which design approach regarding high-availability applications, Recovery Time Objective, and Recovery Point Objective must be taken?

A. Active/passive results in lower RTO and RP
B. For RPO, data synchronization between the two data centers must be timely to allow seamless request flow.
C. Active/passive results in lower RTO and RP
D. For RPO, data synchronization between the two data centers does not need to be timely to allow seamless request flow.
E. Active/active results in lower RTO and RP
F. For RPO, data synchronization between the two data centers does not need to be timely to allow seamless request flow.
G. Active/active results in lower RTO and RP
H. For RPO, data synchronization between the two data centers must be timely to allow seamless request flow.

Answer: A

NEW QUESTION 2
A cloud native project is being worked on in which all source code and dependencies are written in Python, Ruby, and/or JavaScnpt. 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 3
Which two statements are considered best practices according to the 12-factor app methodology for application design? (Choose two.)

A. Application code writes its event stream to stdout.
B. Application log streams are archived in multiple replicated databases.
C. Application log streams are sent to log indexing and analysis systems.
D. Application code writes its event stream to specific log files.
E. Log files are aggregated into a single file on individual nodes.

Answer: AD

NEW QUESTION 4
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 5
How should a web application be designed to work on a platform where up to 1000 requests per second can be served?

A. Use algorithms like random early detection to deny excessive requests.
B. Set a per-user limit (for example, 5 requests/minute/user) and deny the requests from the users who have reached the limit.
C. Only 1000 user connections are allowed; further connections are denied so that all connected users can be served.
D. All requests are saved and processed one by one so that all users can be served eventually.

Answer: D

NEW QUESTION 6
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.
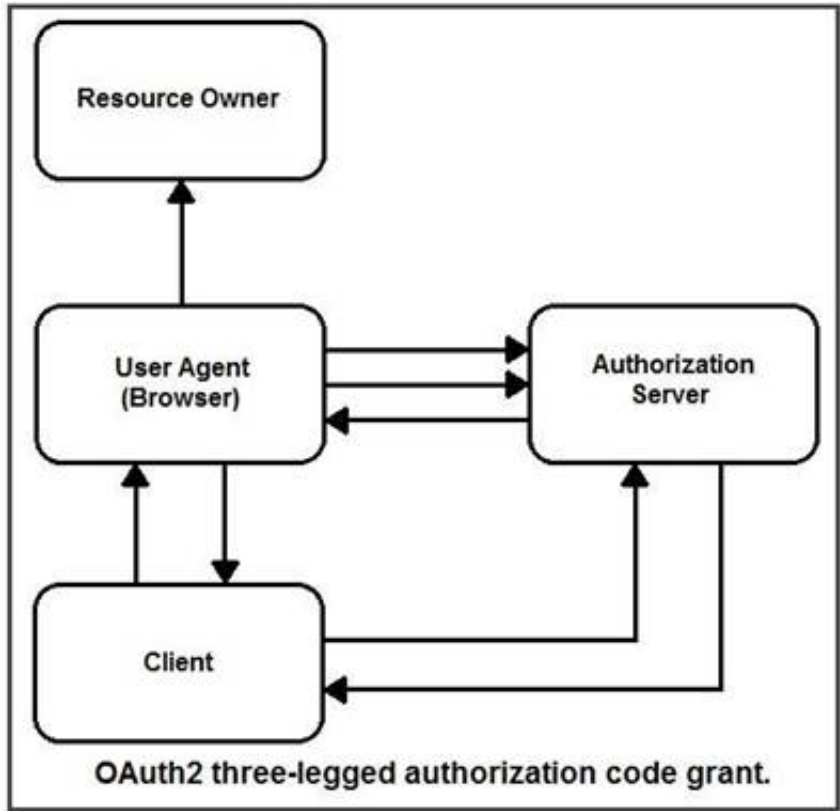D. Rebase the code from the upstream git repo.

Answer: D

NEW QUESTION 7
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 8
DRAG DROP

OAuth2 three-legged authorization code grant.

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
Which two methods are API security best practices? (Choose two.)

A. Use tokens after the identity of a client has been established.
B. Use the same operating system throughout the infrastructure.
C. Use encryption and signatures to secure data.
D. Use basic auth credentials over all internal API interactions.
E. Use cloud hosting services to manage security configuration.

Answer: AC

NEW QUESTION 10
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 11


```
$filter { string }                                              query

Filter criteria for documents to return. A URI with a $filter System Query Option identifies a subset of
the Entries from the Collection of Entries identified by the Resource Path section of the URI. The
subset is determined by selecting only the Entries that satisfy the predicate expression specified by
the query option. The expression language that is used in $filter operators supports references to
properties and literals. The literal values can be strings enclosed in single quotes, numbers and
boolean values (true or false) or any of the additional literal representations shown in the Abstract
Type System section. Query examples: $filter=Name eq 'Bob' $filter=Tags/any(t: t/Key eq 'Site')
$filter=Tags/any(t: t/Key eq 'Site' and t/Value eq "London')

GET /api/v1/compute/RackUnits?$filter=Tags/any (t:t/Key eq 'Site")
```

Refer to the exhibit. An Intersight API is being used to query RackUnit resources that have a tag keyword set to "Site". What is the expected output of this command?

A. list of all resources that have a tag with the keyword "Site"
B. error message because the Value field was not specified
C. error message because the tag filter should be lowercase
D. list of all sites that contain RackUnit tagged compute resources

Answer: A

NEW QUESTION 12
An Etag header is included in the HTTP response for an API resource. What are two benefits of using the value of the Etag for future interactions involving the same API resource? (Choose two.)

A. caching and optimization of response payloads
B. creating conditional requests
C. categorizing and comparing this API resource with others
D. checking the integrity of the resource
E. requesting the list of operations authorized for this resource

Answer: AB

NEW QUESTION 17
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.
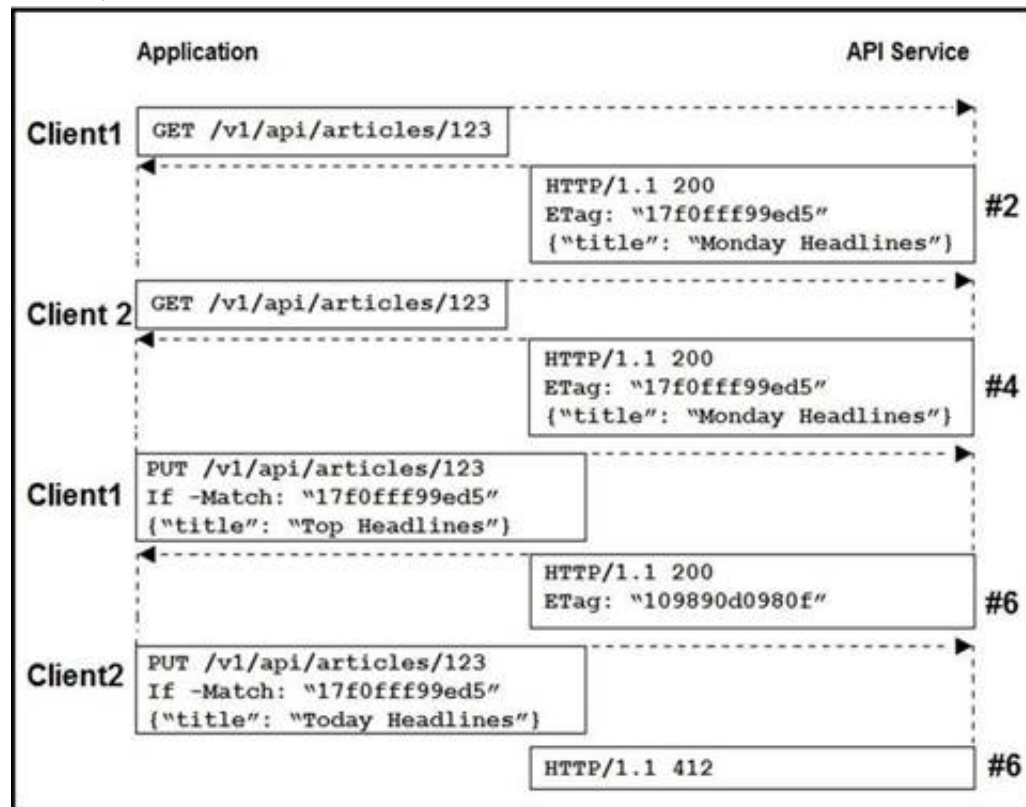Which action is the appropriate response?

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 20

Refer to the exhibit. Two editors are concurrently updating an article's headline from their mobile devices. What results from this scenario based on this REST API sequence?

A. The article is marked as "Conflicted"
B. The article headline is "Monday Headlines"
C. The article headline is "Today Headlines"
D. The article headline is "Top Headlines"

Answer: B

NEW QUESTION 23
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 30
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 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 39
Which two types of storage are supported for app hosting on a Cisco Catalyst 9000 Series Switch? (Choose two.)

A. external USB storage
B. internal SSD

C. CD-ROM
D. SD-card
E. bootflash

Answer: AB

NEW QUESTION 44

```
import http.client

conn = http.client.HTTPSConnection("dnac.cisco.com")

headers = {
  '__runsync': "true",
  '__timeout': "30",
  '__persistbapioutput': "true",
}

conn.request("[    ]", "/dna/intent/api/v1/[        ]?timestamp=10000", headers=headers)

res = conn.getresponse()
data = res.read()

print(data.decode("utf-8"))
```

Refer to the exhibit. Which configuration of method and parameter retrieves the health of a laptop connected to the network from Cisco DNA Center?

A. PUT; network-health;
B. GET; client-health;
C. GET; network-device;
D. POST; network-device;

Answer: C

NEW QUESTION 46

```
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 47
Into which two areas are AppDynamics APIs categorized? (Choose two.)

A. application-centric
B. analytics-events
C. database-visibility
D. platform-side
E. agent-side

Answer: DE

NEW QUESTION 48
A web application is susceptible to cross-site scripting. Which two methods allow this issue to be mitigated? (Choose two.)

A. Use only drop downs.
B. Limit user input to acceptable characters.
C. Encrypt user input on the client side.
D. Use AES encryption to secure the script.
E. Remove all HTML/XML tags from user input.

Answer: BD

NEW QUESTION 51
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 53
What is submitted when an SSL certificate is requested?

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

Answer: D

NEW QUESTION 54
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 57
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 strategies are used to protect personally identifiable information? (Choose two.)

A. Encrypt data in transit.
B. Encrypt hash values of data.
C. Encrypt data at rest.
D. Only hash usernames and passwords for efficient lookup.
E. Only encrypt usernames and passwords for efficient lookup.

Answer: AB

NEW QUESTION 60

```
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 64
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 69

```
---
- 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 72

```
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 74

```
- name: Configure Interfaces
  with_items: "{{interfaces}}"
  netconf_config:
    <<: *host_info
    xml: |
      <config>
        <interfaces xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
          <interface>
            <name>{{item.interface_type}}{{item.interface_id}}</name>
            <description>{{item.description}}</description>
            <type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:ethernetCsmacd</type>
            <enabled>true</enabled>
            <ipv4 xmlns="urn:ietf:params:xml:ns:yang:ietf-ip">
              <address>
                <ip>{{item.ip_address}}</ip>
                <netmask>{{item.subnet_mask}}</netmask>
              </address>
            </ipv4>
          </interface>
        </interfaces>
      </config>
```

Refer to the exhibit. As part of the Ansible playbook workflow, several new interfaces are being configured using the netconf_config module. The task references the interface variables that are unique per device. In which directory is the YAML file with these variables found?

A. host_vars directory
B. home directory
C. group_vars directory
D. current working directory

Answer: A

NEW QUESTION 78
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 80
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