

# 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

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 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

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 6

DRAG DROP

Drag and drop the characteristics from the left onto the correct data processing techniques on the right, in the context of GDPR.

Select and Place:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

#### **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**

Which transport protocol is used by gNMI?

- A. HTTP/2
- B. HTTP 1.1
- C. SSH
- D. MQTT

**Answer:** A

#### **NEW QUESTION 9**

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:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

#### NEW QUESTION 10

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 10

Refer to the exhibit. Which line of code must be added to this code snippet to allow an application to pull the next set of paginated items?

- A. `requests.get(url, links=['next']['url'])`
- B. `requests.get(url, headers=links['next']['url'])`
- C. `requests.get(res.links['next']['url'], headers=headers)`
- D. `requests.get(res.headers.get('Link')['next']['url'], headers=headers)`

**Answer:** C

#### NEW QUESTION 14

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 15

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 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

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.
- B.
- C.
- D.

**Answer:** D

#### NEW QUESTION 25

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.

B.

C.

D.

**Answer: B**

#### **NEW QUESTION 28**

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 35**

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 38**

There is a requirement to securely store unique usernames and passwords. Given a valid username, it is also required to validate that the password provided is correct. Which action accomplishes this task?

- A. Encrypt the username, hash the password, and store these values.
- B. Hash the username, hash the password, and store these values.
- C. Encrypt the username, encrypt the password, and store these values.
- D. Hash the username, encrypt the password, and store these values.

**Answer:** A

#### NEW QUESTION 41

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 46

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 47

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 52

What is submitted when an SSL certificate is requested?

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

**Answer:** D

#### NEW QUESTION 56

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 60

Which two countermeasures help reduce the risk of playback attacks? (Choose two.)

- A. Store data in a NoSQL database.
- B. Implement message authentication (HMAC).
- C. Enable end-to-end encryption.
- D. Remove stack traces from errors.
- E. Use short-lived access tokens.

**Answer:** BE

#### NEW QUESTION 62

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 67

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 70

The response from a server includes the header ETag: W/"7eb8b94419e371767916ef13e0d6e63d". Which statement is true?

- A. The ETag has a Strong validator directive.
- B. The ETag has a Weak validator directive, which is an optional directive.
- C. The ETag has a Weak validator directive, which is a mandatory directive.
- D. The ETag has a Strong validator directive, which it is incorrectly formatted.

**Answer:** B

#### NEW QUESTION 73

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

- A.
- B.
- C.
- D.

**Answer:** C

#### NEW QUESTION 75

Which database type should be used to store data received from model- driven telemetry?

- A. BigQuery database
- B. Time series database
- C. NoSQL database
- D. PostgreSQL database

**Answer:** B

#### NEW QUESTION 76

Refer to the exhibit. The Ansible playbook is using the netconf\_module to configure an interface using a YANG model. As part of this workflow, which YANG models augment the interface?

- A. ietf-interfaces and ietf-ip
- B. iana-if-type and ietf-interfaces
- C. ietf-ip and openconfig-interface
- D. ietf-ip and iana-if-type

**Answer:** B

#### NEW QUESTION 78

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 80

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 81

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 86

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 90

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