

Exam Questions 350-901

Developing Applications using Cisco Core Platforms & APIs

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NEW QUESTION 1

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 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

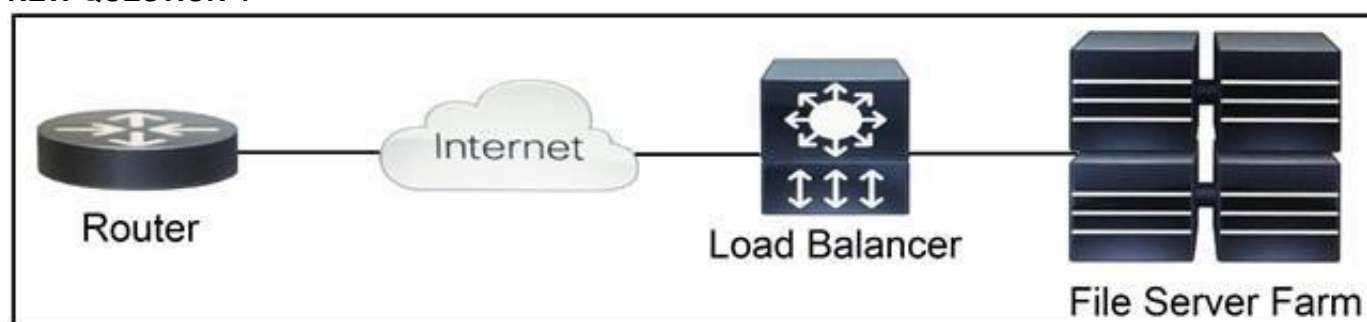
NEW QUESTION 3

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



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 5

Paginating the Results

By adding the `page-size` operator to the query URI you can divide the query results into groups (pages) of objects using the following syntax. The operand specifies the number of objects in each group.

`page-size = number-of-objects-per-page`

By adding the `page` operator in the query URI, you can specify a single group to be returned using the following syntax. The pages start from number 0.

`page = page-number`

This example shows you how to specify 15 fault instances per page in descending order, returning only the first page:

Refer to the exhibit. Many faults have occurred in the ACI environment and a sample of them needs to be examined. Which API call retrieves faults 30 through 45?

- A. GET <https://apic-ip-address/api/class/faultInfo.json?order-by=faultinst.severity|desc&page=1&page-size=15>
- B. GET <https://apic-ip-address/api/class/faultInfo.json?order-by=faultinst.severity|desc&page=2&page-size=15>
- C. GET <https://apic-ip-address/api/class/faultInfo.json?order-by=faultinst.severity|desc&page=30>
- D. GET <https://apic-ip-address/api/class/faultInfo.json?order-by=faultinst.severity|desc&page=2&page-size=30>

Answer: D

NEW QUESTION 6

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 7

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

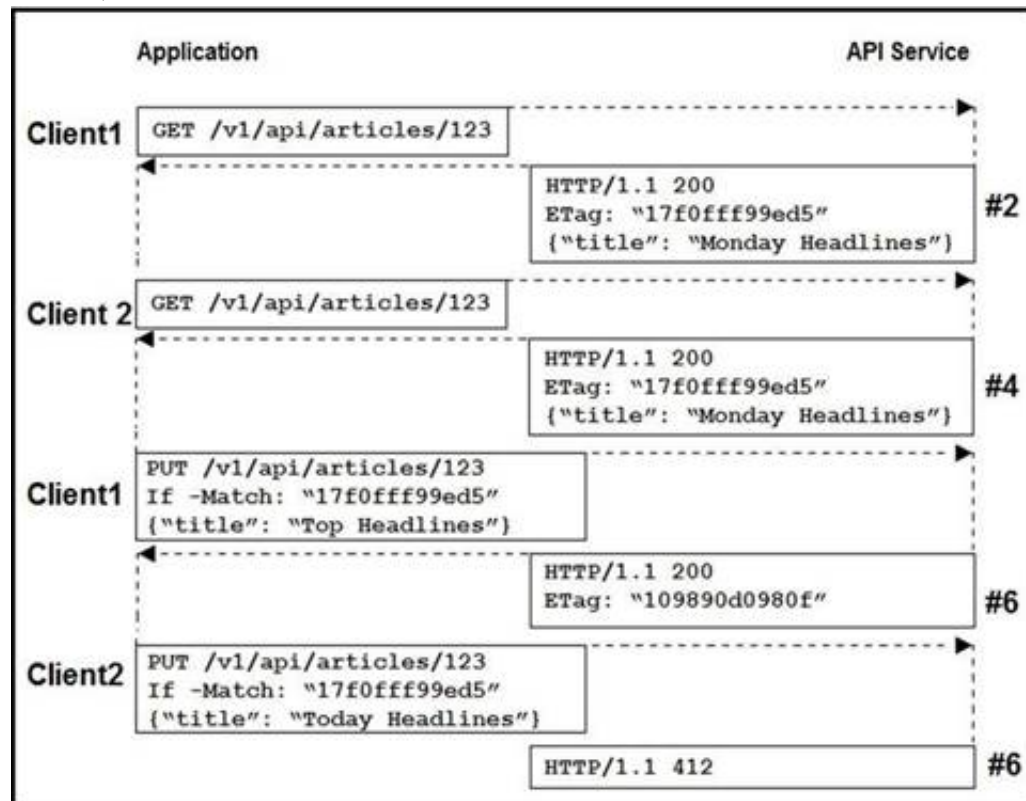
NEW QUESTION 8

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 9



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 10


```
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 10

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 11

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 13

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 16

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 20

```
node 'default' {
  cisco_yang_netconf { 'my-config':
    target => '<vrf xmlns='http://cisco.com/ns/yang/Cisco-IOS-XR-infra-rsi-cfg'>',
    source => '<vrf xmlns='http://cisco.com/ns/yang/Cisco-IOS-XR-infra-rsi-cfg'>
      <vrf>
        <vrf-name>VOIP</vrf-name>
        <create/>
        <description>Voice over IP</description>
        <vpn-id>
          <vpn-oui>875</vpn-oui>
          <vpn-index>3</vpn-index>
        </vpn-id>
      </vrf>
      <vrf>
        <vrf-name>INTERNET</vrf-name>
        <create/>
        <description>Generic external traffic</description>
        <vpn-id>
          <vpn-oui>875</vpn-oui>
          <vpn-index>22</vpn-index>
        </vpn-id>
      </vrf>
    </vrf>
  }
  mode => ,
  force => ,
}
```

Refer to the exhibit. This script uses ciscoyang to configure two VRF instances on a Cisco IOS-XR device using the Yang NETCONF type. Which two words are required to complete the script? (Choose two.)

- A. ensure
- B. commit
- C. false
- D. replace
- E. none

Answer: CD

NEW QUESTION 25

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 30

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 34

What is submitted when an SSL certificate is requested?

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

Answer: D

NEW QUESTION 38

Which two 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 43

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 45

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 46

Which two statements describe advantages of static code analysis over unit tests? (Choose two.)

- A. It checks for potential tainted data where input is not checked.
- B. It enforces proper coding standards and style.
- C. It performs a quick analysis of whether tests will pass or fail when run.
- D. It checks for race conditions in threaded applications.
- E. It estimates the performance of the code when run.

Answer: BC

NEW QUESTION 47

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 49

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 50

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 54

```
---
- 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 57

```
- 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 60

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