350-901 Dumps

Developing Applications using Cisco Core Platforms & APIs

https://www.certleader.com/350-901-dumps.html

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 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.
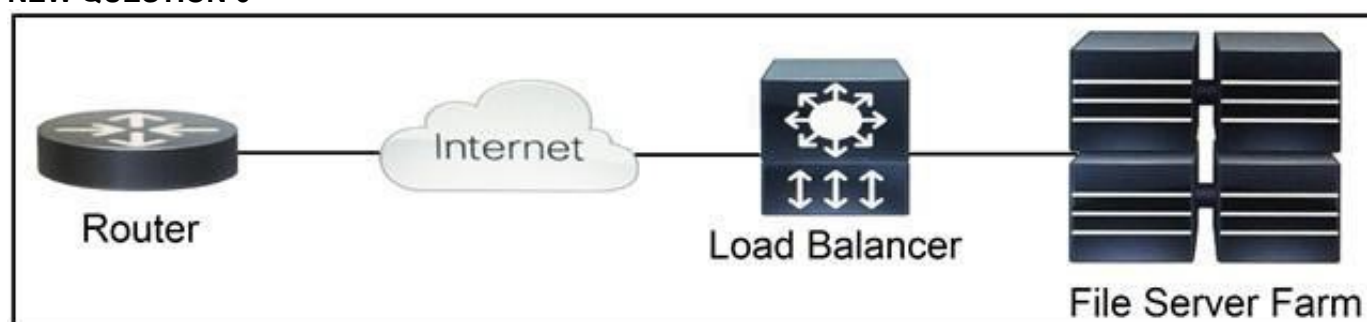
Answer: BC

NEW QUESTION 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

Router — Internet — Load Balancer — File Server Farm

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.
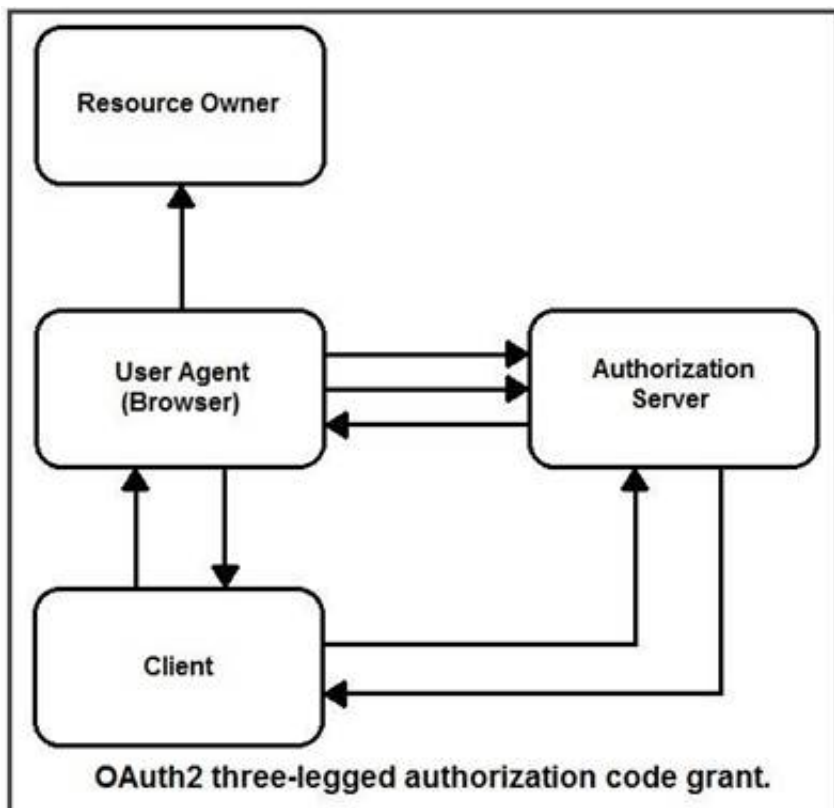
Answer: DE

NEW QUESTION 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

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.
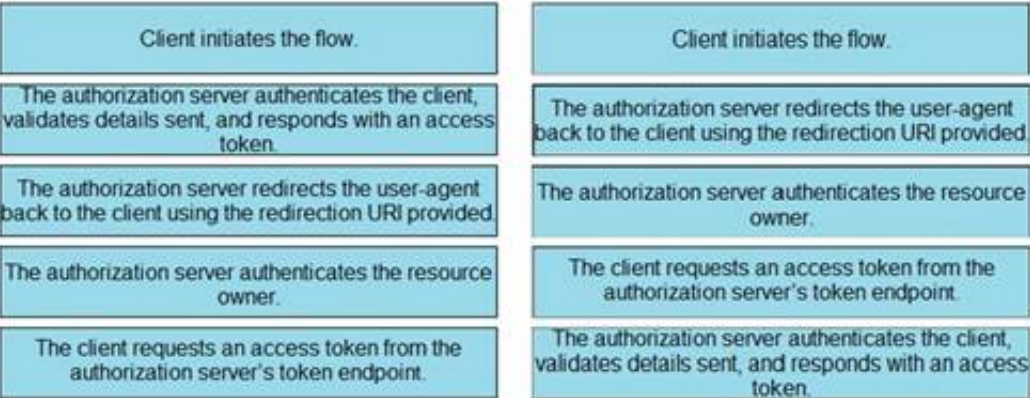Select and Place:

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

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 10

$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 10

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 14
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 17

```
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 18
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 20
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 23
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 25
Click on the GET Resource button above to view resources that will help with this question.
An engineer is managing a DC with 6000 Cisco UCS servers installed and running. The engineer has been asked to identify all resources where the model is in the UCSB family and the available memory is less than or equal to 5 GB.
Which REST API call accomplishes this task?

A. GET/api/v1/compute/RackUnits?$select=Vendor,Model,Serial&$filter=not(Model eq 'UCSC') and AvailableMemory le 5000
B. GET/api/v1/compute/RackUnits?$select=Vendor,Model,Serial&$filter=Model eq 'UCSB' and AvailableMemory lt 5000
C. GET/api/v1/compute/RackUnits?$select=Vendor,Model,Serial&$filter=contains(Model, UCSB') and AvailableMemory lt 5000
D. GET/api/v1/compute/RackUnits?$select=Vendor,Model,Serial&$filter=contains(Model, UCSB') and AvailableMemory le 5000

Answer: D

NEW QUESTION 29
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 33
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 34

```
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 37
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 41

```
node 'default' {
    cisco_yang_netconf { 'my-config':
        target => '<vrfs xmlns='http://cisco.com/ns/yang/Cisco-IOS-XR-infra-rsi-cfg"/>',
        source => '<vrfs 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>
                    </vrfs>
        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 43
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 44
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
What is submitted when an SSL certificate is requested?

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

Answer: D

NEW QUESTION 51
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 53
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 57

```
FROM alpine:3.7

RUN apk add --no-cache bash
```

Refer to the exhibit. Which additional line results in the output of Test 1 upon execution of the docker run --rm devnet 1 command in a Dockerfile with this content?

A. CMD ["/bin/echo", "Test"]
B. RUN ["/bin/echo", "Test"]
C. ENTRYPOINT ["/bin/echo", "Test"]
D. CMD ["/bin/echo Test"]

Answer: A

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 62

```
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

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 65

```
---
- 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

```
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 72

```
- 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 77
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 78

```
import sys, requests

URL = "http://ios-xe-mgmt.cisco.com:9443"
USER - 'root'
PASS = 'C!isco0123'

url = URL + "/restconf/data/ietf-interfaces:interfaces-state"
headers = {'content-type': 'application/vang-data+json', 'accept':
           'application/yang-data+json'            }

try:
    result = requests.get(url, auth=(USER,PASS), headers=headers)
    r_json = result.json()
    flagDown = 0
    for record in r_json["ietf-interfaces:interfaces"]["interface"]:
        print("{0:<35}".format("interface: " + record["name"]), end="")
        print("{0:<5}".format("ip: "), end="")
        if('address' in record["ietf-ip:ipv4"]):
            print("{0:<15}".format(record["ietf-ip:ipv4"]["address"][0]["ip"]), end="")
        else:
            print("{0:<15}".format(record["No IPv4"], end="")
        print("{0:<9}".format("status: "), end="")
        print(str(record["enabled"]))
        if(record["enabled"]==False):
            flagDown=1
    print("")
    if(flagDown):
        print("At least one interface is down")
    else
        print("All interfaces are up")

except:
    print("Exception: " + str(sys.ecx_info()[0] + " " + str(sys.ecx_info()[1]))
    print("Error: " + str(result.status_code), result.text)
```

Refer to the exhibit. What is the output of this IOS-XE configuration program?

A. interface operational status in IPv6 addresses
B. interface administrative status in IPv4 addresses
C. interface operational status in IPv4 addresses
D. interface administrative status in IPv6 addresses

Answer: D

NEW QUESTION 83
......

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