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The Cisco 350-901 exam encompasses a wide range of knowledge and skills that are grouped into 5 domains. The abilities related to each topic are

outlined below:

- **Infrastructure & Automation – 20%**

Within this part, the learners need to demonstrate that they are capable of explaining model-driven telemetry considerations (comprising data consumption as well as data storage); utilizing RESTCONF to customize a network device including static routes, VLANs (IOS XE only), and interfaces; constructing a workflow to customize network parameters using ansible playbook as well as puppet manifest; defining a configuration management solution to meet the technical as well as business requirements; describing how to host an application on a network device (including Cisco IOx-enabled devices and Catalyst 9000).

- **Application Deployment & Security – 20%**

To tackle the questions from this section, the applicants should have competency in diagnosing a CI/CD pipeline failure (including missing dependency, failed tests, as well as incompatible versions of elements); integrating an application into a prebuilt CD environment using Docker as well as Kubernetes; describing the advantages of continual testing as well as static code analysis within a CI pipeline; utilizing Docker in order to containerize an application. In addition, the individuals must be able to describe the "12-factor app" tenets; describe an efficient logging approach for an application; explain data privacy concerns associated with storage as well as data transmission; define the secret storage strategy appropriate for a particular scenario. Other skills covered in this domain include configuring application specific SSL certificates; implementing mitigation approaches for OWASP threats (including CSRF, XSS, as well as SQL injection); describing how end-to-end encryption concepts apply to APIs.

- **Software Development & Design – 20%**

The first domain revolves around the candidates' skills, such as describing distributed applications associated with the principles of back-end, front-end, as well as load balancing; evaluating the design of an application taking into consideration modularity and scalability; evaluating the design of an application taking into consideration resiliency as well as high-availability (including Cloud, hybrid, and onpremises); evaluating the design of an application taking into consideration rate limiting and latency; evaluating the design as well as implementation of an application taking into consideration maintainability; evaluating the design as well as implementation of an application taking into consideration observability. The examinees should also show that they are skilled at diagnosing problems with an application depending on logs associated with an event; evaluating the choice of database kinds depending on the application requirements (including document, relational, columnar, graph, and Time Series); explaining architectural patterns (including microservices, services oriented, monolithic, as well as event driven); utilizing upgraded version control operations using Git (including merging a branch, resolving conflicts; git reset; git checkout; git revert); explaining the principles of release packaging as well as dependency management; constructing a sequence diagram including API calls.

- **Cisco Platforms – 20%**

Here the test takers must confirm their proficiency in constructing the API requests to implement chatops using Webex Teams API; constructing the API requests in order to develop as well as delete objects with the help of Firepower device management (FDM); constructing the API requests with the help of the Meraki platform to fulfill these tasks (including utilizing Meraki Dashboard APIs to activate SSID as well as utilizing Meraki location APIs to retrieve location data). Besides that, the students should have the relevant skills in constructing API calls to retrieve data from Intersight; constructing a Python script with the help of UCS APIs to provision a new UCS server depending on a template; constructing a Python script with the help of Cisco DNA center APIs to retrieve as well as display wireless health data; describing the capacity of AppDynamics while instrumenting an application; describing stages to construct a custom dashboard to provide data collected from Cisco APIs.

- **Utilizing APIs – 20%**

This topic comprises the following skills: implementing robust REST API error management for time outs as well as rate limits; implementing consumer code control flow for unrecoverable REST API errors; defining ways to optimize API utilization via HTTP cache controls; constructing an application consuming a REST API that maintains pagination; describing the stages within the OAuth2 three-legged authorization code grant flow.

Cisco 350-901 Certification Exam is a challenging test that requires candidates to have a strong understanding of Cisco technologies and platforms, as well as the ability to apply software development and design principles to real-world scenarios. 350-901 exam includes multiple-choice questions, as well as hands-on simulations and exercises that test a developer's ability to create and deploy applications using Cisco's core platforms and APIs.

Developing Applications using Cisco Core Platforms and APIs (DEVCOR) free exam pdf & 350-901 useful dumps are the best choice for you

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One of the key benefits of passing the Cisco 350-901 exam is that it demonstrates the candidate's ability to develop applications using Cisco platforms and APIs. This is a highly sought-after skill in the IT industry, and passing 350-901 Exam can open up a wide range of career opportunities for the candidate. Additionally, the certification can help the candidate to stand out in a competitive job market and increase their earning potential.

Cisco Developing Applications using Cisco Core Platforms and APIs (DEVCOR) Sample Questions (Q486-Q491):

NEW QUESTION # 486

What is the function of dependency management?

- A. managing and enforcing unique software version names or numbers
- **B. separating code into modules that execute independently**
- C. utilizing a single programming language/framework for each code project
- D. automating the identification and resolution of code dependencies

Answer: B

Explanation:

Explanation

<https://devopedia.org/dependency-manager>

NEW QUESTION # 487

"Greater Than" Operator

The **gt** operator returns true if the left operand is greater than the right operand, otherwise it returns false. The **gt** operator accepts numeric, dates and string values.

Example: Query RackUnit resources where AvailableMemory is greater than 98304MB.

```
GET /api/v1/compute/RackUnits?$filter=AvailableMemory gt 98304
```

Example: Query Audit log records where 'CreationTime' is greater than '2018-06-20T05:31:38.862Z'. The date must be specified in UTC time without quotes.

```
GET /api/v1/aaa/AuditRecords?$filter=CreationTime gt 2018-06-20T05:31:38.862Z
```

"Less Than" Operator

The **lt** operator returns true if the left operand is less than the right operand, otherwise it returns false. The **lt** operator accepts numeric, dates and string values.

Example: Query RackUnit resources where AvailableMemory is less than 98304MB.

```
GET /api/v1/compute/RackUnits?$filter=AvailableMemory lt 98304
```

"Greater Than Or Equal" Operator

The **ge** operator returns true if the left operand is greater than or equal to the right operand, otherwise it returns false. The **ge** operator accepts numeric, dates and string values.

Example: Query RackUnit resources where AvailableMemory is greater than or equal to 98304MB.

```
GET /api/v1/compute/RackUnits?$filter=AvailableMemory ge 98304
```

"Less Than Or Equal" Operator

The **le** operator returns true if the left operand is less than or equal to the right operand, otherwise it returns false. The **le** operator accepts numeric, dates and string values.

Example: Query RackUnit resources where AvailableMemory is less than or equal to 98304MB.

```
GET /api/v1/compute/RackUnits?$filter=AvailableMemory le 98304
```


"Greater Than" Operator

The **gt** operator returns true if the left operand is greater than the right operand, otherwise it returns false. The **gt** operator accepts numeric, dates and string values

Example: Query RackUnit resources where AvailableMemory is greater than 98304MB:

```
GET /api/v1/compute/RackUnits?$filter=AvailableMemory gt 98304
```

Example: Query Audit log records where 'CreationTime' is greater than '2018-06-20T05:31:38.862Z'. The date must be specified in UTC time without quotes.

```
GET /api/v1/aaa/AuditRecords?$filter=CreateTime gt 2018-06-20T05:31:38.862Z
```

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The **lt** operator returns true if the left operand is less than the right operand, otherwise it returns false. The **lt** operator accepts numeric, dates and string values

Example: Query RackUnit resources where AvailableMemory is less than 98304MB:

```
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```

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The **le** operator returns true if the left operand is less than or equal to the right operand, otherwise it returns false. The **le** operator accepts numeric, dates and string values

Example: Query RackUnit resources where AvailableMemory is less than or equal to 98304MB:

```
GET /api/v1/compute/RackUnits?$filter=AvailableMemory le 98304
```

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=contains(Model, UCSB') and AvailableMemory lt 5000
- B. GET/api/v1/compute/RackUnits?\$select=Vendor,Model,Serial&\$filter=not(Model eq 'UCSC') and AvailableMemory le 5000
- C. GET/api/v1/compute/RackUnits?\$select=Vendor,Model,Serial&\$filter=Model eq '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 # 488

The Meraki API URL <https://api.meraki.com/api/v0/networks/123456789/ssids/2> has been stored in the environment variable `meraki_url` and the API key has been stored in `meraki_api_key`. Which snippet presents the API call to configure, secure and enable an SSID using the Meraki API?

A)

```
curl -X PUT --url $meraki_url \
-H 'X-Cisco-Meraki-API-Key: $meraki_api_key \
-H 'Accept: application/json' \
-H 'Content-type: application/json' \
--data-raw '{
  "name": "My SSID",
  "enabled": true,
}'
```

B)

```
curl -X PUT --url $meraki_url \
-H 'X-Cisco-Meraki-API-Key: $meraki_api_key \
-H 'Accept: application/json' \
-H 'Content-type: application/json' \
--data-raw '{
  "enabled": true,
  "useVlanTagging": true
}'
```

C)

```
curl -X PUT --url $meraki_url \
-H 'X-Cisco-Meraki-API-Key: $meraki_api_key \
-H 'Accept: application/json' \
-H 'Content-type: application/json' \
--data-raw '{
  "name": "My SSID", "enabled": true,
  "authMode": "psk", "encryptionMode": "wpa",
  "psk": "meraki123",
  "wpaEncryptionMode": "TKIP and WPA2"
}'
```

D)

```
curl -X PUT --url $meraki_url \
-H 'X-Cisco-Meraki-API-Key: $meraki_api_key \
-H 'Accept: application/json' \
-H 'Content-type: application/json' \
--data-raw '{
  "name": "My SSID", "enabled": false,
  "authMode": "psk", "encryptionMode": "wpa",
  "psk": "meraki123"
}'
```

- A. Option A
- B. Option B
- C. Option D
- **D. Option C**

Answer: D

NEW QUESTION # 489

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. list of scopes that correspond to the API resources to which the application is requesting to access
- B. name of the application under which the application registered as an OAuth integration
- C. list of the API resources that the application is requesting to access
- D. URI to which the authorization server will send the user-agent back when access is granted or denied
- E. secret that was generated by the authorization server when the application registered as an OAuth integration

Answer: A,D

Explanation:

The authorization code is a temporary code that the client will exchange for an access token. The code itself is obtained from the authorization server where the user gets a chance to see what the information the client is requesting, and approve or deny the request. The following parameters are used to make the authorization request. You should build a query string with the below parameters, appending that to the application's authorization endpoint obtained from its documentation.

* client_id

o The client_id is the identifier for your app. You will have received a client_id when first registering your app with the service.

* redirect_uri (optional)

o The redirect_uri may be optional depending on the API, but is highly recommended. This is the URL to which you want the user to be redirected after the authorization is complete. This must match the redirect URL that you have previously registered with the service.

* scope (optional)

o Include one or more scope values (space-separated) to request additional levels of access. The values will depend on the particular service.

NEW QUESTION # 490

A web application has those requirements for HTTP cache control:

- * The client browser must be prevented from storing responses that contain sensitive information.
- * Assets must be downloaded from the remote server every time.

Which header must the engineer use?

- A. public
- B. no-store
- C. private
- D. must-revalidate

Answer: B

NEW QUESTION # 491

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