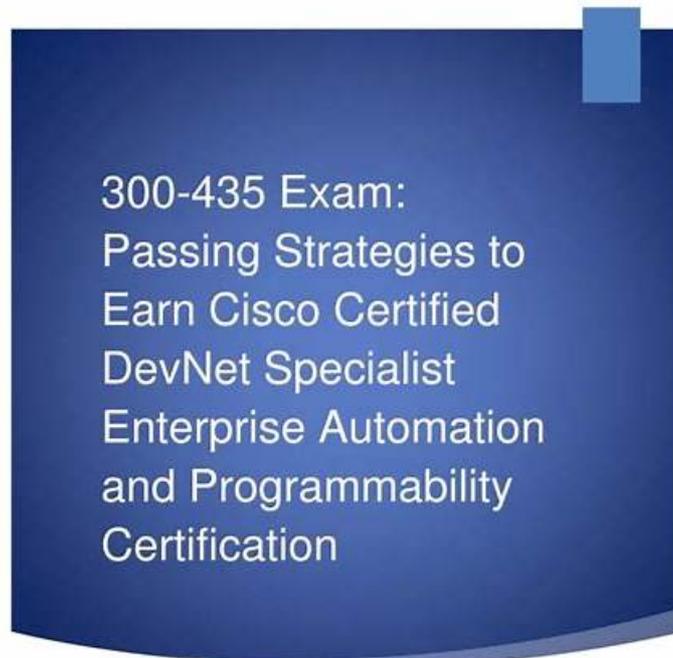


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Topics of 300-435 ENAUTO : Automating and Programming Cisco Enterprise Solutions Exam

candidates must know the exam topics before they start of preparation. Because it will really help them in hitting the core. Our **300-435 exam dumps** will include the following topics:

1. Network Programmability Foundation (10%)

- Describe characteristics of API styles (REST and RPC)
- Describe the benefits of Python virtual environments
- Interpret Python scripts containing data types, functions, classes, conditions, and looping
- Utilize common version control operations with git (add, clone, push, commit, diff, branching, merging conflict)

2. Automate APIs and Protocols (10%)

- Identify the JSON instance based on a YANG model
- Interpret a YANG module tree generated per RFC8340
- Compare functionality, benefits, and uses of NETCONF and RESTCONF
- Compare functionality, benefits, and uses of OpenConfig, IETF, and native YANG models
- Identify the XML instance based on a YANG model

3. Network Device programmability (20%)

- Implement device management and monitoring using NetMiko
- On-change
- Describe the benefits and usage of telemetry data in troubleshooting the network
- Configure a subscription for model driven telemetry on an IOS XE device (CLI, NETCONF, and RESTCONF)
- Compare publication and subscription telemetry models
- Utilize Ansible to configure an IOS XE device
- iPXE
- PnP
- Periodic / cadence
- Configure device using RESTCONF API utilizing Python requests library
- Construct a Python script using ncclient that uses NETCONF to manage and monitor an IOS XE device

4. Cisco DNA Center (20%)

- Site APIs
- Describe the features and capabilities of Cisco DNA Center
- Intent APIs
- Network assurance APIs
- Network discovery and device APIs
- Implement API requests for Cisco DNA Center to accomplish network management tasks using these APIs
- Events and notifications
- Implement Cisco DNA Center event outbound webhooks
- Template APIs (Apply a template)
- Troubleshoot Cisco DNA Center automation process using Intent APIs
- Multivendor support (3rd party SDKs)

5. Cisco SD-WAN 20%

- Construct API requests for Cisco SD-WAN vManage Administration APIs
- Construct API requests for Cisco SD-WAN vManage Monitoring APIs (Including real-time)

- Implement a Python script to perform API requests for Cisco SD-WAN vManage Device Inventory APIs to retrieve and display data

6. Cisco Meraki (20%)

- Implement a Python script for Cisco Meraki Alert WebHooks
- MV Sense APIs
- External Captive Portal APIs
- Create a network using Cisco Meraki APIs
- WebHook Alert APIs
- Describe features and capabilities of Cisco Meraki

>> 300-435 Valid Test Syllabus <<

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Cisco Automating and Programming Cisco Enterprise Solutions Sample Questions (Q193-Q198):

NEW QUESTION # 193

Refer to the exhibit. The exhibit displays part of a Python script that must create a streaming telemetry subscription on a Cisco IOS XE device. The script fails. Which change enables the script to run successfully?

- A. The xpath attribute must be removed from the body.
- B. Change the yang-push stream to a supported type.
- C. The source-vrf must be added to the body.
- D. The xmlns attribute must be set for the model.

Answer: D

Explanation:

The script uses the NETCONF protocol to push a model-driven telemetry configuration. However, the <mdt-config-data> element and its child elements belong to a specific YANG model and must include the correct XML namespace (xmlns). While the outer <config> tag has an xmlns:xc attribute, the <mdt-config-data> tag lacks its required xmlns declaration, which causes the server to reject the configuration as invalid. Adding the correct xmlns attribute for the model (e.g., xmlns='http://cisco.com/ns/yang/Cisco-IOS-XE-mdt-cfg') resolves the issue.

NEW QUESTION # 194

Refer to the exhibit. What is a valid JSON instance of this YANG module?

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

Answer: A

Explanation:

The YANG module defines a top-level container "top" containing a list "address", and each entry has both seqno and ip.

NEW QUESTION # 195

Refer to the exhibit. What is a characteristic of the tree?

□

- A. three optional metrics
- B. three containers
- C. ten leaf-lists
- **D. two leaf-lists**

Answer: D

Explanation:

higher-layer-if* and lower-layer-if* are marked with an asterisk indicating leaf-lists, so the tree contains two leaf-lists.

NEW QUESTION # 196

What is a benefit of using Ansible and Terraform for Cisco IOS XE configuration automation?

- A. They support automatic configuration triggering.
- **B. They enable the use of a standard configuration on all devices.**
- C. They allow for snowflake configuration.
- D. They use an agent that provides more reliability.

Answer: B

Explanation:

Ansible and Terraform enable infrastructure as code (IaC), which allows network engineers to define and apply standard configurations across multiple Cisco IOS XE devices. This promotes consistency, reduces configuration drift, and simplifies management at scale.

NEW QUESTION # 197

The Cisco DNA Center Sites API must be used to add a device to a site, but only the site name is available. Which API call must be used to retrieve the site identifier so that the device can be properly added to the network?

- A. /dna/intent/api/site
- **B. /dna/intent/api/v1/site**
- C. /dna/intent/api/site/siteId
- D. /dna/intent/api/v1/site/siteName

Answer: B

Explanation:

<https://community.cisco.com/t5/networking-blogs/welcome-to-the-dna-center-api-support-community/ba-p/3663632>

NEW QUESTION # 198

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