

Quiz 2025 Cisco High-quality 300-535: Automating and Programming Cisco Collaboration Solutions Test Topics Pdf



300-835 Automating Cisco Collaboration Solutions Practice Course

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The 300-835 Automating Cisco Collaboration Solutions Practice Course is a comprehensive training program designed to equip professionals with the necessary skills to automate and streamline Cisco collaboration solutions. This course offers in-depth knowledge and hands-on experience to master the automation concepts, methodologies, and tools used in Cisco collaboration environments. Through a combination of practical exercises, real-world scenarios, and expert guidance, participants will gain proficiency in automating Cisco collaboration solutions and enhancing productivity in their organizations. Enroll in this practice course today to expand your expertise and accelerate your career in the dynamic world of Cisco collaboration.

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Candidates preparing for the Cisco 300-535 Certification examination will require comprehensive knowledge of Cisco Unified Communications Manager, Cisco Unity Connection, Cisco Unified Contact Center Express, and Cisco Collaboration endpoints. Automating and Programming Cisco Collaboration Solutions certification exam requires applicants to have experience in programming and automation, as well as understanding of software development practices, networking architecture, and infrastructure.

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The Automating and Programming Cisco Collaboration Solutions certification exam is aimed at professionals in the field of networking and collaboration who want to deepen their knowledge and skills in automating and programming Cisco Collaboration solutions. 300-535 Exam is ideal for IT professionals who want to enhance their skills in automating and programming Cisco Collaboration solutions and become experts in this field.

Cisco Automating and Programming Cisco Collaboration Solutions Sample Questions (Q97-Q102):

NEW QUESTION # 97

Drag and drop the components of Cisco Network Services Orchestrator from the left onto the correct definitions on the right.

Network Element Drivers	manages installation of NED packages and service packages
Configuration Database	provides full support for any service change, including arbitrary modifications in real time
Device Manager	communicates directly with network devices using their native device management protocols
Package Manager	manages tasks such as pulling current running configurations from devices
Service Manager	contains the NSO view of the complete network configuration

Answer:

Explanation:

Network Element Drivers	Package Manager
Configuration Database	Service Manager
Device Manager	Network Element Drivers
Package Manager	Device Manager
Service Manager	Configuration Database

Explanation



NEW QUESTION # 98

Refer to the exhibit. The code must retrieve information about the routing table and the interfaces on the Cisco IOS XE device. The information must be printed to the standard output. Which code snippet must be added to the code to accomplish these tasks?

```

1  from netmiko import ConnectHandler
2
3  cisco_iosxe = {
4      'device_type': 'cisco_ios',
5      'host': '10.10.20.48',
6      'username': 'developer',
7      'password': 'Cisco12345',
8      'port': 22
9  }
10
11  commands = ["show ip route", "show ip int brief"]
12
13
14

```

• A.

```

with ConnectHandler(**cisco_iosxe) as net_connect:
    output = net_connect.show_command(cmd)
    print(output)

```

• B.

```

with ConnectHandler(**cisco_iosxe) as net_connect:
    for cmd in commands:
        output = net_connect.show_command(cmd)
        print(output)

```

• C.

```

with ConnectHandler(**cisco_iosxe) as net_connect:
    for cmd in commands:
        output = net_connect.send_command(cmd)
        print(output)

```

• D.

```

with ConnectHandler(**cisco_iosxe) as net_connect:
    output = net_connect.send_commands(commands)
    print(output)

```

Answer: C

Explanation:

Chosen option iterates over each command in the commands list, sends each command using send_command, and prints the output. This meets the requirement to retrieve and display both the routing table and interface information.

NEW QUESTION # 99

When implementing MPLS DS-TE on Cisco IOS XR routers, all aggregate Cisco MPLS TE traffic is mapped to which class type by default?

- A. class-type 0 (bandwidth global pool)
- B. class-type 1 (bandwidth subpool)
- C. class type class-default (bandwidth best-effort)
- D. class-type 2 (bandwidth priority)

Answer: A

Explanation:

Explanation

Explanation:

Differentiated Services Traffic Engineering

MPLS Differentiated Services (Diff-Serv) Aware Traffic Engineering (DS-TE) is an extension of the regular MPLS-TE feature.

Regular traffic engineering does not provide bandwidth guarantees to different traffic classes. A single bandwidth constraint is used in regular TE that is shared by all traffic. To support various classes of service (CoS), users can configure multiple bandwidth constraints. These bandwidth constraints can be treated differently based on the requirement for the traffic class using that constraint. MPLS diff-serv traffic engineering provides the ability to configure multiple bandwidth constraints on an MPLS-enabled interface. Available bandwidths from all configured bandwidth constraints are advertised using IGP.

TE tunnel is configured with bandwidth value and class-type requirements. Path calculation and admission control take the bandwidth and class-type into consideration. RSVP is used to signal the TE tunnel with bandwidth and class-type requirements. Diff-Serv TE can be deployed with either Russian Doll Model (RDM) or Maximum Allocation Model (MAM) for bandwidth calculations.

TE Class Mapping

Each of the eight available bandwidth values advertised in the IGP corresponds to a TE Class. Because the IGP advertises only eight bandwidth values, there can be a maximum of only eight TE classes supported in an IETF DS-TE network.

TE class mapping must be exactly the same on all routers in a DS-TE domain. It is the responsibility of the operator to configure these settings properly as there is no way to automatically check or enforce consistency.

The operator must configure TE tunnel class types and priority levels to form a valid TE class. When the TE class map configuration is changed, tunnels already up are brought down. Tunnels in the down state, can be set up if a valid TE class map is found.

Table 4 TE Classes and Priority

TE Class	Class Type	Priority
0	0	7
1	1	7
2	Unused	
3	Unused	
4	0	0
5	1	0
6	Unused	
7	Unused	

The default mapping includes four classes types.

NEW QUESTION # 100

When configuring class-based WRED on Cisco routers, which WRED parameter is not user configurable on a Cisco IOS XR but is user configurable on a Cisco IOS and IOS XE?

- A. the maximum threshold
- B. the minimum threshold
- C. the mark probability denominator
- D. the ingress or egress direction where the class-based WRED policy will be applied

Answer: C

Explanation:

Comparison of Cisco IOS QoS and Cisco IOS-XR QoS

The Cisco IOS-XR software implementation of QoS is basically the same as the QoS implementation on Cisco IOS software, with the following exceptions:

*On Cisco IOS-XR software, the bandwidth command can be configured only in egress policies.

*The following changes have been made to the class-map command on Cisco IOS-XR software:

-Supports 4K per logical router.

-Maximum number of match criteria configurable in one class map is eight.

*When a class is marked as high priority using the priority command on Cisco IOS-XR software, we recommend that you configure a policer to limit the priority traffic. Limiting the priority traffic will ensure that the priority traffic does not starve all of the other traffic on the line card. Use the police command to explicitly configure the policer.

*On Cisco IOS-XR software, only one conform-action, exceed-action, or violate-action command can be configured at a time. To configure traffic policing, use the police command.

*On Cisco IOS-XR software, policy modifications cannot be made on existing policies. Use the policy-map command to remove the policy from all attached interfaces, delete the policy map, and redefine a new policy.

*When configuring a policy map on Cisco IOS-XR software, the maximum number of classes configurable in one policy map is 16, which includes both Level 1 and Level 2 classes. To configure a policy map, use the policy-map command.

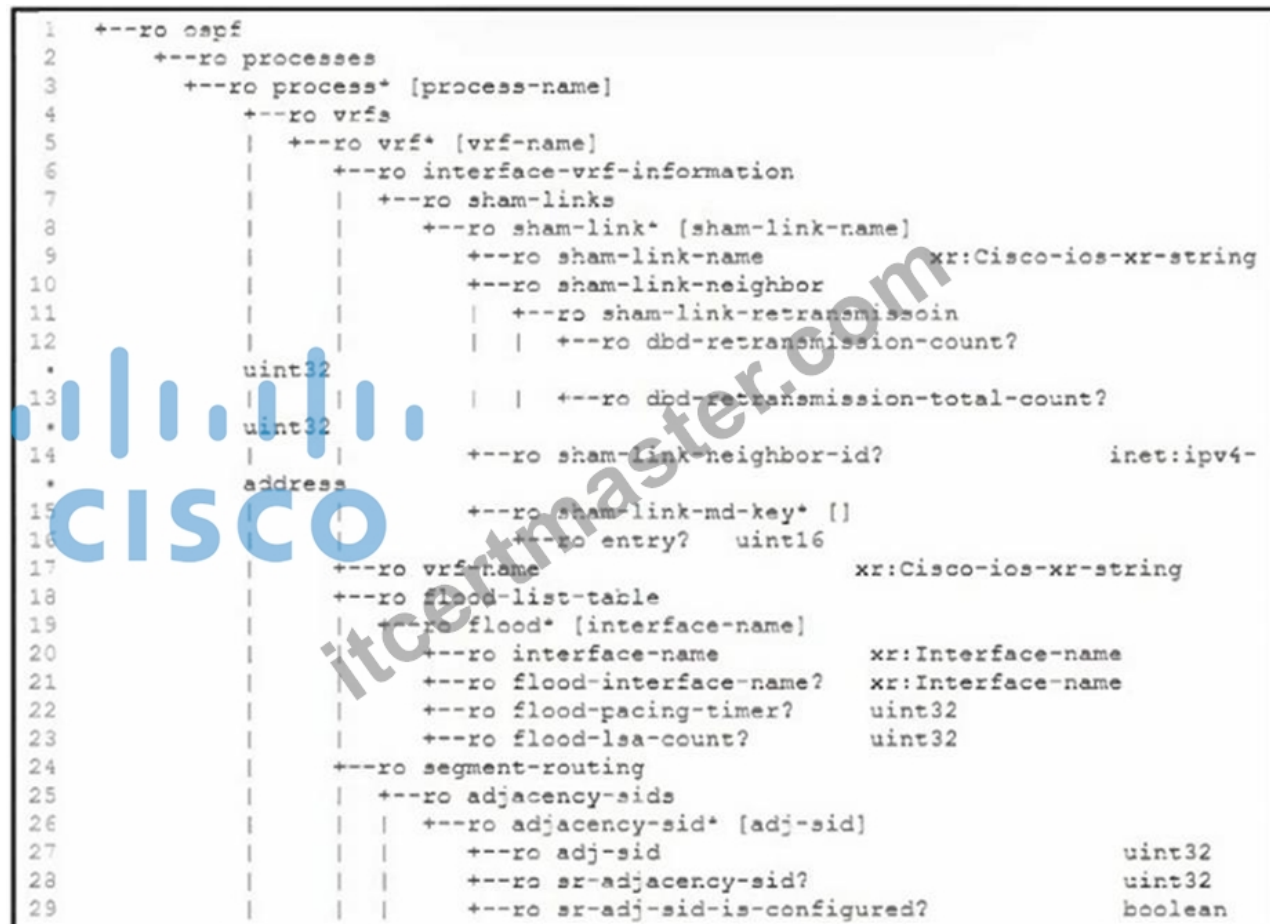
*When WRED is configured on Cisco IOS-XR software, the mark probability in the random-detect command is not configurable—it is always set to 1.

*When the random-detect exp command is used on Cisco IOS-XR software, the exponential weighting constant is not configurable and will be programmed automatically by Cisco IOS-XR software.

*When access control lists (ACLs) are used in QoS class maps, the underlying deny or permit actions associated with access control entries (ACEs) are ignored. ACEs are used as a classification mechanism in order to provide appropriate QoS behavior as specified in class maps. Use ACLs that include ACEs with permit actions only.

NEW QUESTION # 101

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



- A. The tree represents a configuration model
- B. Sham-link-name is mandatory when displaying information
- C. The model has six presence containers
- D. The tree has six leaf-lists/lists.

Answer: D

Explanation:

The tree diagram shows six YANG leaf-lists/lists, indicated by the asterisks (*) after the names in the structure.

NEW QUESTION # 102

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