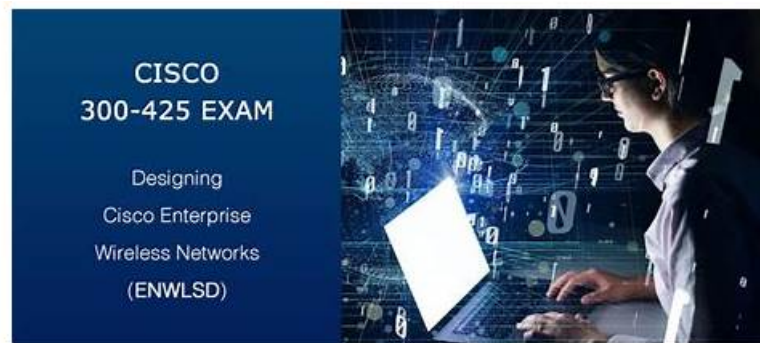# 100% Pass 2025 Cisco 300-535–Professional New Exam Book

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Who Should Take The Exam

The course is appropriate for:

- Network Operations Center (NOC) personnel
- Network designers
- Network supervisors

Before attempting the exam you should know:

- Cisco Internetworking Operating System (IOS XE) and Cisco IOS XR working experience
- SP Operations experience with routing, Multi-Protocol Label Switching (MPLS) and Virtual Private Network (VPN) Solutions
- Network Programmability Basics (Network Programming Foundations, APIs and Protocols, Network Model Driven APIs and Protocols, Configuration Management with Ansible, Service Provider Network Automation workflows)
- CCNP equivalent level of knowledge for Routing and Switching (R and S)

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Required Prerequisites

The above-mentioned certifications are of premium level and prepare their holders for advanced and essential job roles. Hence, some background in the chosen field is a must. For instance, the vendor suggests the CCNP Service Provider aspirants have commendable work experience of three to five years in implementing service provider solutions.

Consequently, in case sitting for the Cisco 300-535 Exam to earn Cisco Certified DevNet Professional, the applicants should be

well-versed in developing software. Those who have already earned expertise in Python programming and have explored this field for three to five years will have an effortless certification journey.

Cisco Automating and Programming Cisco Collaboration Solutions Sample Questions (Q84-Q89):

NEW QUESTION # 84
An engineer is deploying a Python script to manage network devices through SSH. Which library based on Paramiko is used?

- A. libssh2
- C. netmiko
- B. sshmiko
- D. paramiko.agent

Answer: C

Explanation:
Reference:
https://pynet.twb-tech.com/blog/automation/netmiko.html

NEW QUESTION # 85
Refer to the exhibit.


```
def configure_ip_address(interface, ip, length):
    url = BASE_URL + "/data/ietf-interfaces:intefaces/interface={i}".format(
     i = interface
    )
    data = OrderedDict(
     [
      (
       "ietf-interfaces:interface",
       OrderedDirect(
        [
         ("name", interface),
         ("type", "iana-if-type:ethernetCsmacd"),
         (
          "ietf-ip:ipv6",
          OrderedDict(
           [
            (
             "address",
             OrderedDict([("ip", ip), ("prefix-length", length)])],
           )
          ),
         )
        ]
       ),
      )
     ]
    )
    response = requests.put(
     url, auth=(USERNAME, PASSWORD), headers=HEADERS, verify=False, json=data
    )
    print(response.status_code)
configure_ip_address("GigabitEthernet2", "2001:db8:636c:6179:2063:7572:7469:7300", "64")
```

What is the effect of the script on the device?

- A. All interfaces except GigabitEthernet2 are reset to their default configurations.
- B. It replaces the entire configuration for GigabitEthernet2 on the device using RESTCONF.
- C. It merges the new configuration with the existing configuration on the device using RESTCONF.
- D. It compares the configuration to the device. If it matches, the device sends back an HTTP 204 status code.

Answer: C

NEW QUESTION # 86

An engineer wants to replace the BLOCK_BAD ACL on the Cisco IOS XE router with this new content. The engineer wants to use RESTCONF for this and constructs a PUT request to the resource/restconf/data/native/ip/access-list/Cisco-IOS-XE-acl:extended=BLOCK_BAD. What must the body look like to achieve the Cisco IOS XE configuration?

Desired configutation:

ip access-list extended BLOCK_BAD
permit ip any host 192.168.20.1
deny ip any any

A)

```
{
    "ip": {
        "access-list": {
            "Cisco-IOS-XE-acl:extended": {
                "name": "BLOCK_BAD",
                "access-list-seq-rule": [{
                    "sequence": "10",
                    "ace-rule": {
                        "action": "permit",
                        "protocol": "ip",
                        "any": [
                            null
                        ],
                        "dst-host": "192.168.20.1"
                    }
                },
                {
                    "sequence": "20",
                    "ace-rule": {
                        "action": "deny",
                        "protocol": "ip",
                        "any": [
                            null
                        ],
                        "dst-any": [
                            null
                        ]
                    }
                }]
            }
        }
    }
}
```

B)

```json
{
    "name": "BLOCK_BAD",
    "access-list-seq-rule": [
        {
            "sequence": "10",
            "ace-rule" : {
                "action": "permit",
                "protocol" : "ip",
                "any": [
                        null
                ],
                "dst-host": "192.168.20.1"
            }
        },
        {
            "sequence": "20",
            "ace-rule": {
                "action": "deny",
                "protocol": "ip",
                "any": [
                        null
                ],
                "dst-any": [
                        null

                ]
            }
        }
    ]
}
```

C)

```json
{
    "Cisco-IOS-XE-acl:extended": {
    "name": "BLOCK_BAD",
    "access-list-seq-rule": [
        {
            "sequence": "10",
            "ace-rule": {
             "action": "permit",
             "protocol": "ip",
             "any": [
                 null
            ],
            "dst-host": "192.168.20.1"
        ]
    },
    {
        "sequence": "20",
        "ace-rule": {
            "action": "deny",
            "protocol": "ip",
            "any": [
                 null
            ],
            "dst-any": [
                 null
              ]
            }
          }
        ]
    }
}
```

D)

```json
{
     "Cisco-IOS-XE-acl:extended": {
     (
     "name": "BLOCK_BAD",
     "access-list-seq-rule": [
          {
               "sequence": "10",
               "ace-rule": {
                "action": "permit",
                "protocol": "ip",
                "any": [
                     null
                ],
                "dst-host": "192.168.20.1"
          ]
     ),
     {
          "sequence": "20",
          "ace-rule": {
               "action": "deny",
               "protocol": "ip",
               "any": [
                    null
               ],
               "dst-any": [
                    null
               ]
             }
          )
       ]
    ]
 }
}
```

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

Answer: B

NEW QUESTION # 87
Which two commands generate a template using Cisco NSO to build a service package? (Choose two.)

- A. show running-config devices device ce-ios config ios:interface Loopback 0 | display xml | save template.xml
- B. show running-config devices device ce-ios config ios:interface Loopback 0 | display template.xml

- C. show running-config devices device ce-ios config ios:interface Loopback 0
- D. request running-config devices device ce-ios config ios:interface Loopback 0 | display xml
- E. show running-config devices device ce-ios config ios:interface Loopback 0 | display xml

Answer: B,D

Explanation:
Section: 2.0 Automation APIs and Protocols

NEW QUESTION # 88

```
RP/0/RP0/CPU0:XR_CORE666#conf t
Fri May 19 10:45:31.136 UTC
RP/0/RP0/CPU0:XR_CORE666(config)#pce
RP/0/RP0/CPU0:XR_CORE666(config-pce)#address ipv4 10.10.0.15
RP/0/RP0/CPU0:XR_CORE666(config-pce)#commit
```

Refer to the exhibit. XTC has been configured by an engineer. What does the IPv4 address represent on the snippet?

- A. configured for the remote peer for state synchronization
- B. configured for the local peer for state synchronization
- C. destination address of the router on which it listens for PCEP
- D. local address of the router on which it listens for PCEP

Answer: D

Explanation:
Section: 2.0 Automation APIs and Protocols
Explanation/Reference: http://ipnetworkgeek.blogspot.com/2017/05/path-disjointness-with-ios-xr-traffic.html

NEW QUESTION # 89
......

- johnlee994.goabroadblog.com, www.stes.tyc.edu.tw, thriveccs.org, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, shortcourses.russellcollege.edu.au, www.stes.tyc.edu.tw, newex92457.newsbloger.com, www.stes.tyc.edu.tw, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, myportal.utt.edu.tt, egyanvani.com, Disposable vapes

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