

# 200-301 test questions & 200-301 pass king & 200-301 test engine

## CCNA 200-301 Exam Topics

\*New topics highlighted in red

### 20% 1.0 Network Fundamentals

- 1.1 Explain the role and function of network components
  - 1.1.a Routers
  - 1.1.b L2 and L3 switches
  - 1.1.c Next-generation firewalls and IPS
  - 1.1.d Access points
  - 1.1.e Controllers (Cisco DNA Center and WLC)
  - 1.1.f Endpoints
  - 1.1.g Servers
- 1.2 Describe characteristics of network topology architectures
  - 1.2.a 2 tier
  - 1.2.b 3 tier
  - 1.2.c Spine-leaf
  - 1.2.d WAN
  - 1.2.e Small office/home office (SOHO)
  - 1.2.f On-premises and cloud
- 1.3 Compare physical interface and cabling types
  - 1.3.a Single-mode fiber, multimode fiber, copper
  - 1.3.b Connections (Ethernet shared media and point-to-point)
  - 1.3.c Concepts of PoE
- 1.4 Identify interface and cable issues (collisions, errors, mismatch duplex, speed)
- 1.5 Compare TCP to UDP
- 1.6 Configure and verify IPv4 addressing and subnetting
- 1.7 Describe the need for private IPv4 addressing
- 1.8 Configure and verify IPv6 addressing and prefix
- 1.9 Compare IPv6 address types
  - 1.9.a Global unicast
  - 1.9.b Unique local
  - 1.9.c Link local
  - 1.9.d Anycast
  - 1.9.e Multicast
  - 1.9.f Modified EUI 64
- 1.10 Verify IP parameters for Client OS (Windows, Mac OS, Linux)
- 1.11 Describe wireless principles
  - 1.11.a Nonoverlapping Wi-Fi channels
  - 1.11.b SSID
  - 1.11.c RF
  - 1.11.d Encryption
- 1.12 Explain virtualization fundamentals (virtual machines)
- 1.13 Describe switching concepts
  - 1.13.a MAC learning and aging
  - 1.13.b Frame switching
  - 1.13.c Frame flooding
  - 1.13.d MAC address table

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Cisco 200-301 exam is the latest version of the Cisco Certified Network Associate (CCNA) certification exam. 200-301 exam is designed to test the knowledge and skills of network professionals in the areas of networking and security fundamentals, network access, IP connectivity, IP services, security fundamentals, and automation and programmability. Passing the Cisco 200-301 Exam

is a crucial step towards becoming a certified network professional and opens up a world of opportunities in the field of networking and IT.

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To pass the Cisco 200-301 exam, candidates need to have a strong understanding of network architecture, protocols, and technologies. They should also be able to configure, troubleshoot, and maintain network devices, such as routers and switches. Moreover, candidates should be familiar with network security, including threats, vulnerabilities, and mitigation techniques. The Cisco 200-301 exam is an essential certification for network professionals who want to advance their career and improve their knowledge and skills in the field of network technology.

Cisco 200-301 Exam is an excellent opportunity for network engineers to validate their skills and knowledge in the networking field. It is a globally recognized certification, and it opens up many career opportunities in the networking industry. With the right training and preparation, passing 200-301 exam can be an achievable goal for anyone who is passionate about networking.

## Cisco Certified Network Associate Exam Sample Questions (Q310-Q315):

### NEW QUESTION # 310

Refer to the exhibit.

□ To which device does Router1 send packets that are destined to host 10.10.13.165?

- A. Router2
- **B. Router3**
- C. Router4
- D. Router5

**Answer: B**

### NEW QUESTION # 311

Refer to the exhibit.

□ Which command configures a floating static route to provide a backup to the primary link?

- A. ip route 0.0.0.0 0.0.0.0 209.165.200.224
- B. ip route 209.165.201.0 255.255.255.224 209.165.202.130
- **C. ip route 209.165.200.224 255.255.255.224 209.165.202.129 254**
- D. ip route 0.0.0.0 0.0.0.0 209.165.202.131

**Answer: C**

### NEW QUESTION # 312

Drag and drop the statement about AAA services from the left to the corresponding AAA services on the right.

□

**Answer:**

Explanation:

□

### NEW QUESTION # 313

Drag and drop the characteristic from the left onto the IPv6 address type on the right.

**Answer:**

Explanation:

### NEW QUESTION # 314

Which feature or protocol must you enable so that the output of the show interfaces trunk command includes information about native VLAN mismatches?

- A. PortFast
- **B. CDP**
- C. RSTP
- D. DTP

**Answer: B**

### NEW QUESTION # 315

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