

Free PDF 2026 Cisco 300-415: Implementing Cisco SD-WAN Solutions Latest Exam Fees



Implementing Cisco SD-WAN Solutions v1.1 (300-415)

Exam Description: Implementing Cisco SD-WAN Solutions v1.1 (ENSDWI 300-415) is a 90-minute exam associated with the CCNP Enterprise Certification. This exam tests a candidate's knowledge of Cisco's SD-WAN solution including SD-WAN architecture, controller deployment, WAN Edge router deployment, policies, security, quality of service, multicast, and management and operations. The course, Implementing Cisco SD-WAN Solutions, helps candidates to prepare for this exam.

The following topics are general guidelines for the content likely to be included on the exam. However, other related topics may also appear on any specific delivery of the exam. To better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

- 20%** **1.0 Architecture**
 - 1.1 Describe Cisco SD-WAN architecture and components
 - 1.1.a Orchestration plane (vBond, NAT)
 - 1.1.b Management plane (vManage)
 - 1.1.c Control plane (vSmart, OMP)
 - 1.1.d Data plane (WAN Edge)
 - 1.1.d (i) TLLOC
 - 1.1.d (ii) IPsec and GRE
 - 1.1.d (iii) vRoute
 - 1.1.d (iv) BFD
 - 1.2 Describe Cisco SD-WAN Edge platforms and capabilities
 - 1.3 Describe Cisco SD-WAN Cloud OnRamp
 - 1.3.a SaaS
 - 1.3.b IaaS
 - 1.3.c Colocation
- 15%** **2.0 Controller Deployment**
 - 2.1 Describe controller cloud deployment
 - 2.2 Describe controller on-premises deployment
 - 2.2.a Hosting platform (KVM and Hypervisor)
 - 2.2.b Installing controllers
 - 2.2.c Scalability and redundancy
 - 2.3 Configure certificates and device lists
 - 2.4 Troubleshoot control plane connectivity between controllers
- 20%** **3.0 Router Deployment**

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Details of Cisco 300-415 Exam

The Cisco 300-415 exam comes with 90 minutes to complete about 65 questions that can be given in different formats, including multiple choice, fill-in-the-blank, testlets, or drag and drop. The candidates are required to get the passing score of 750 points to obtain the associated certifications. This test is available in the English and Japanese languages and the students can choose the appropriate variant during the registration process. As for registration and scheduling, these processes are done through Pearson VUE, and the learners must pay the fee of \$300. This platform offers two ways of the exam delivery. The individuals can opt for the online testing and take the test from any place at any time. On the other hand, they have the opportunity to pass the exam at one of the testing centers. Those who do not gain the pass mark on the first try must wait for five days from the day after the failed attempt before they can retake the exam.

New 300-415 Exam Topics & Latest Braindumps 300-415 Ebook

Before we start develop a new 300-415 real exam, we will prepare a lot of materials. After all, we must ensure that all the questions and answers of the 300-415 exam materials are completely correct. First of all, we have collected all relevant reference books. Most of the 300-415 Practice Guide is written by the famous experts in the field. And we also add the latest knowledage points into the content of the 300-415 learning questions, so that they are always being up to date.

Cisco Implementing Cisco SD-WAN Solutions Sample Questions (Q241-Q246):

NEW QUESTION # 241

An engineer creates this data policy for DIA for VPN 10:

Which policy sequence enables DIA for external networks?

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

Answer: A

NEW QUESTION # 242

Refer to the exhibit.

The WAN Edge router at the data centers does not use NAT and has been configured with color restriction.

Which color configuration needs to be associated to the WAN Edge router's VPN 0 interface to bring up the data plane tunnels?

- A. Configure the WAN interface as a TLOC-Extended public-internet color.
- B. Configure the WAN interface as a TLOC-Extended private1 color.
- C. Configure the WAN interface as a private1 color with restriction.
- D. Configure the WAN interface as a public-internet color.

Answer: D

Explanation:

This scenario involves a WAN Edge router sitting behind a separate NAT device.

Public vs. Private Colors: In Cisco SD-WAN, "Public" colors (like public-internet, gold, silver) signal to the software that the TLOC might be subject to NAT and needs to use STUN to discover its public-facing IP/Port.

"Private" colors assume no NAT is present.

NAT Traversal: Because there is a NAT router between the WAN Edge and the Internet ISP, the WAN Edge must use a public color so that it correctly initiates NAT traversal and allows remote sites to reach it via the NATed public address.

Color Restriction: With restriction enabled, the device will only form tunnels with other devices using the same color. Since the path leads to the "Internet ISP," a public-internet color is the standard and necessary configuration to establish these data plane tunnels.

NEW QUESTION # 243

How many vManage NMSs should be installed in each domain to achieve scalability and redundancy?

- A. two instances
- B. three or more in a cluster
- C. two clusters
- D. two or more in a cluster

Answer: B

NEW QUESTION # 244

Refer to the exhibit.

What is the 1.1.1.1 IP address?

- A. the controller AP-manager IP address
- B. the controller management IP address
- C. the controller virtual interface IP address
- D. the lightweight AP IP address
- E. the wireless client IP address
- F. the RADIUS server IP address

Answer: C

Explanation:

Web Authentication Process

This is what occurs when a user connects to a WLAN configured for web authentication:

The user opens a web browser and enters a URL, for example, <http://www.cisco.com>. The client sends out a DNS request for this URL to get the IP for the destination. The WLC bypasses the DNS request to the DNS server and the DNS server responds back with a DNS reply, which contains the IP address of the destination www.cisco.com. This, in turn, is forwarded to the wireless clients.

The client then tries to open a TCP connection with the destination IP address. It sends out a TCP SYN packet destined to the IP address of www.cisco.com.

The WLC has rules configured for the client and hence can act as a proxy for www.cisco.com. It sends back a TCP SYN-ACK packet to the client with source as the IP address of www.cisco.com. The client sends back a TCP ACK packet in order to complete the three way TCP handshake and the TCP connection is fully established.

The client sends an HTTP GET packet destined to www.cisco.com. The WLC intercepts this packet and sends it for redirection handling. The HTTP application gateway prepares a HTML body and sends it back as the reply to the HTTP GET requested by the client. This HTML makes the client go to the default webpage URL of the WLC, for example, <http://<Virtual-Server-IP>/login.html>.

The client closes the TCP connection with the IP address, for example, www.cisco.com.

Now the client wants to go to <http://1.1.1.1/login.html>. Therefore, the client tries to open a TCP connection with the virtual IP address of the WLC. It sends a TCP SYN packet for 1.1.1.1 to the WLC.

The WLC responds back with a TCP SYN-ACK and the client sends back a TCP ACK to the WLC in order to complete the handshake.

The client sends a HTTP GET for [/login.html](http://1.1.1.1/login.html) destined to 1.1.1.1 in order to request for the login page.

This request is allowed up to the Web Server of the WLC, and the server responds back with the default login page. The client receives the login page on the browser window where the user can go ahead and log in.

Reference: <http://www.cisco.com/c/en/us/support/docs/wireless-mobility/wlan-security/69340-web-auth-config.html#backinfo>

NEW QUESTION # 245

An enterprise has several sites with multiple VPNs that are isolated from each other. A new requirement came where users in VPN 73 must be able to talk to users in VPN 50. Which configuration meets this requirement?

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

Answer: D

NEW QUESTION # 246

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