



# 300-115

Implementing Cisco IP Switched Networks

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**SUCCESS GUIDE TO CISCO CERTIFICATION**

Exam Summary – Syllabus – Questions

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# Introduction to 300-115 Exam on Implementing Cisco IP Switched Networks

A great way to start the Cisco Certified Network Professional Routing and Switching (SWITCH) preparation is to begin by properly appreciating the role that syllabus and study guide play in the Cisco 300-115 certification exam. This study guide is an instrument to get you on the same page with Cisco and understand the nature of the Cisco CCNP Routing and Switching exam.

Our team of experts has composed this Cisco 300-115 exam preparation guide to provide the overview about Cisco Implementing Cisco IP Switched Networks exam, study material, sample questions, practice exam and ways to interpret the exam objectives to help you assess your readiness for the Cisco SWITCH exam by identifying prerequisite areas of knowledge. We recommend you to refer the simulation questions and practice test listed in this guide to determine what type of questions will be asked and the level of difficulty that could be tested in the Cisco CCNP Routing and Switching certification exam.

## Cisco 300-115 Certification Details:

Exam Name	Implementing Cisco IP Switched Networks
Exam Number	300-115 SWITCH
Exam Price	\$300 USD
Duration	120 minutes
Number of Questions	30-40
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	<a href="#">Implementing Cisco IP Switched Networks v2.0 (SWITCH)</a> <a href="#">Cisco E-Learning for CCNP SWITCH v2.0</a> <a href="#">Cisco Learning Labs for CCNP SWITCH v2.0</a> <a href="#">CCNA and CCNP Premium Training Package</a> <a href="#">Cisco CCNP SWITCH E-Learning and Certification Exam Bundle (SWITCH) E-Learning</a>
Exam Registration	PEARSON VUE
Sample Questions	<a href="#">Cisco 300-115 Sample Questions</a>
Practice Exam	<b><a href="#">Cisco Certified Network Professional Routing and Switching Practice Test</a></b>

## Cisco 300-115 Exam Syllabus:

Section	Weight	Objectives
Layer 2 Technologies	65%	<p>1 Configure and verify switch administration</p> <ul style="list-style-type: none"> <li>a) SDM templates</li> <li>b) Managing MAC address table</li> <li>c) Troubleshoot Err-disable recovery</li> </ul> <p>2 Configure and verify Layer 2 protocols</p> <ul style="list-style-type: none"> <li>a) CDP, LLDP</li> <li>b) UDLD</li> </ul> <p>3 Configure and verify VLANs</p> <ul style="list-style-type: none"> <li>a) Access ports</li> <li>b) VLAN database</li> <li>c) Normal, extended VLAN, voice VLAN</li> </ul> <p>4 Configure and verify trunking</p> <ul style="list-style-type: none"> <li>a) VTPv1, VTPv2, VTPv3, VTP pruning</li> <li>b) dot1Q</li> <li>c) Native VLAN</li> <li>d) Manual pruning</li> </ul> <p>5 Configure and verify EtherChannels</p> <ul style="list-style-type: none"> <li>a) LACP, PAgP, manual</li> <li>b) Layer 2, Layer 3</li> <li>c) Load balancing</li> <li>d) EtherChannel misconfiguration guard</li> </ul> <p>6 Configure and verify spanning tree</p> <ul style="list-style-type: none"> <li>a) PVST+, RPVST+, MST</li> <li>b) Switch priority, port priority, path cost, STP timers</li> <li>c) PortFast, BPDUguard, BPDUfilter</li> <li>d) Loopguard and Rootguard</li> </ul> <p>7 Configure and verify other LAN switching technologies</p> <ul style="list-style-type: none"> <li>a) SPAN, RSPAN</li> </ul> <p>8 Describe chassis virtualization and aggregation technologies</p> <ul style="list-style-type: none"> <li>a) Stackwise</li> </ul>

Section	Weight	Objectives
Infrastructure Security	20%	1 Configure and verify switch security features a) DHCP snooping b) IP Source Guard c) Dynamic ARP inspection d) Port security e) Private VLAN f) Storm control  2 Describe device security using Cisco IOS AAA with TACACS+ and RADIUS a) AAA with TACACS+ and RADIUS b) Local privilege authorization fallback
Infrastructure Services	15%	1 Configure and verify first-hop redundancy protocols a) HSRP b) VRRP c) GLBP

## 300-115 Sample Questions:

### 01. Which two statements about SDM templates are true?

(Choose two.)

- a) They are available on all Cisco devices.
- b) They are used to allocate system resources.
- c) Changing the SDM template will not disturb switch operation.
- d) You can verify the SDM template that is in use with the show sdm prefer command.

### 02. Which two statements apply to LLDP?

(Choose two.)

- a) It is a proprietary Cisco product.
- b) It runs on the data link layer.
- c) It is not enabled by default on Cisco devices.
- d) To verify neighbors, you would use the show cdp neighbors command.

### 03. Which two statements apply to topology-based switching?

(Choose two.)

- a) It is functionally equivalent to Cisco Express Forwarding.
- b) It is the preferred switching mode in Cisco multilayer switches.
- c) It is also known as route caching.
- d) It is slower than fast switching.

### 04. Which two of these messages are sent out by the DHCPv6 server?

(Choose two.)

- a) SOLICIT message
- b) ADVERTISE message
- c) REQUEST message
- d) CONFIRM message
- e) RENEW message

### 05. What is the aim of the sticky option when it is used with port security?

- a) A learned MAC address must stick to one single port.
- b) A dynamically learned MAC address is considered to be like a statically learned MAC address.
- c) For a given MAC address with the sticky option, the port security feature applies to whichever port the MAC address connects to.
- d) A router on a stick can bypass the port security feature and use one MAC address per subinterface.

**06. The storm control feature controls which type of traffic?**

- a) unicast
- b) broadcast
- c) multicast
- d) all of the above

**07. Which command enables HSRP on a Cisco IOS device?**

- a) standby virtual ip 10.1.1.1
- b) standby ip 10.1.1.1 group 1
- c) hsrp 1 ip 10.1.1.1
- d) standby 1 ip 10.1.1.1

**08. Which HSRP group uses the MAC address 0000.0c07.ac01?**

- a) group 0
- b) group 7
- c) group 11
- d) group 1

**09. If you have four routers enabled for the same HSRP group, how many of them will be in the standby state?**

- a) 0
- b) 1
- c) 2
- d) all, except the active router

**10. A hierarchical network's distribution layer aggregates which of the following?**

- a) Core switches
- b) Broadcast domains
- c) Routing updates
- d) Access layer switches

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## Answers to 300-115 Exam Questions:

Question: 01 Answer: b, d	Question: 02 Answer: b, c	Question: 03 Answer: a, b	Question: 04 Answer: b, d	Question: 05 Answer: b
Question: 06 Answer: d	Question: 07 Answer: d	Question: 08 Answer: d	Question: 09 Answer: b	Question: 10 Answer: d

Note: If you find any typo or data entry error in these sample questions, we request you to update us by commenting on this page or write an email on [feedback@nwexam.com](mailto:feedback@nwexam.com)