CISCO 100-490

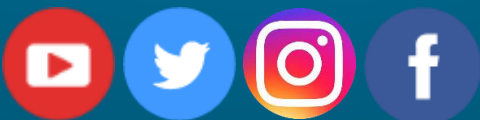**Cisco CCT Routing and Switching Certification Questions & Answers**

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100-490

Cisco Certified Technician Routing & Switching

55-65 Questions Exam – Variable (750-850 / 1000 Approx.) Cut Score – Duration of 90 minutes

Table of Contents:

Discover More about the 100-490 Certification

Are you interested in passing the Cisco 100-490 exam? First discover, who benefits from the 100-490 certification. The 100-490 is suitable for a candidate if he wants to learn about Routing and Switching. Passing the 100-490 exam earns you the Cisco Certified Technician Routing & Switching title.

While preparing for the 100-490 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The 100-490 PDF contains some of the most valuable preparation tips and the details and instant access to useful **100-490 study materials just at one click**.

Cisco 100-490 CCT Routing and Switching Certification Details:

Exam Name	Supporting Cisco Routing and Switching Network Devices
Exam Number	100-490 RSTECH
Exam Price	$125 USD
Duration	90 minutes
Number of Questions	55-65
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	**Supporting Cisco Routing and Switching Network Devices (RSTECH) v3.0**
Exam Registration	**PEARSON VUE**
Sample Questions	**Cisco 100-490 Sample Questions**
Practice Exam	**Cisco Certified Technician Routing & Switching Practice Test**

100-490 Syllabus:

Section	Weight	Objectives
General Networking Knowledge	25%	- Use the OSI and TCP/IP models and their associated protocols to explain how data flows in a network - Describe the basic functionality and key differences of this hardware: LAN switch, router, and wireless access points - Differentiate between these Layer 2 technologies: Ethernet, Fast Ethernet, Gigabit Ethernet, Serial, and Optical

Section	Weight	Objectives
		- Describe LAN cabling - Describe the function of CSU/DSU - Describe Telco termination point - Describe an IPv4 and IPv6 address and subnet - Describe the function of FTP, TFTP and PING - Describe the function of Telnet and SSH
Cisco Equipment and Related Hardware	20%	- Identify the Cisco equipment including the Cisco Nexus 9000 Series, Nexus 7000 Series, Nexus 3000 Series, MDS 9000 Series, Catalyst 9000 Series, Catalyst 6800 Series, Catalyst 6500 E-Series, Catalyst 3850, 3650, 2960, 1000 Series and Meraki switches and Cisco 8000 Series, Cisco ASR 9000 Series, Cisco ASR 1000 Series, NCS 5500 Series ,NCS 5000 Series routers and Cisco 4000, 1100, 900, 800 Series Integrated Service routers. - Identify Cisco products by logo marking and model number (including, but not limited to, locations on chassis, line card, module, or adapter) - Identify Cisco Transceiver Modules - Identify and locate the serial number of Cisco products (including, but not limited to, locations on chassis, line card, module, or adapter) - Identify and describe commonly used components - Describe hardware memory common terms and their use in Cisco routers and switches - Identify the cabling on Cisco equipment - Identify tools for hardware installation and replacement - Identify the different loop-back plugs (RJ45 Ethernet, T1, 56K)
Cisco IOS Software Operation	29%	- Describe the key role of Cisco IOS, IOS-XE, IOS-XR and NX-OS software - Navigate between different operating modes - Determine the current mode of a device - Copy and paste a configuration file from/to a router or switch - Use and interpret the basic Cisco IOS Software commands - Describe the location and process to change the configuration register parameter - Identify a configuration file from a Cisco device - Describe the licensing process on different platforms - Describe Bundle Mode/Install Mode IOS-XE

Section	Weight	Objectives
Service-Related Knowledge	26%	- Locate and use a text editor such as, Notepad - Locate and use the Windows command prompt - Locate, configure, and use Terminal Emulation (Tera Term, Putty) - Configure networks settings for Ethernet port on laptop (IP address, subnet mask and default gateway) and establish a connection with Ethernet ports on Cisco equipment using correct cable - Make a physical connection from laptop to Cisco console port - Connect, configure, and verify operation status of a device interface - Configure and use TFTP and FTP servers (TFTP d32/64, FIlezilla) - Perform software upgrade or downgrade using TFTP, FTP, xmodem, tftpdnld, or USB Storage - Manage configurations via the TCP/IP network - Perform password recovery on a Cisco device - Identify and correct common network problems at Layers 1 and 2 - Serial or ether interface status - Ethernet layer 2 (full and half duplex, speed issues) - WAN serial loopback test (T1, 56K and Telco assisted loopback)

Broaden Your Knowledge with Cisco 100-490 Sample Questions:

Question: 1

Cisco NX-OS has added the ability to use which type of custom scripting to help manage user networks?

a) C++
b) Collective
c) SQL
d) Python

Answer: d

Question: 2

Which two commands set the configuration register value?

(Choose two.)

a) rommon>confreg 0x2102
b) router(config)#confreg 0x2102
c) rommon>config-register 0x2102
d) router(config)#configuration-register 0x2102
e) router(config)#config-register 0x2102

Answer: a, e

Question: 3

Which command displays information about the carrier network, cell site, and available service?

a) show cellular unit network
b) show cellular unit radio
c) show cellular unit hardware
d) show cellular unit profile

Answer: a

Question: 4

Which Windows-based text editor is preferred for working with a simple text document, such as a Cisco configuration?

a) Microsoft Word
b) Microsoft Notepad
c) Microsoft Access
d) Microsoft Excel

Answer: b

Question: 5

What does Cisco use for Return Materials Authorization tracking of field-replaceable parts?

a) product number
b) serial number
c) RMA number
d) FRU number

Answer: c

Question: 6

An Ethernet interface is up and the line protocol is down. What are two possible causes?

(Choose two.)

a) There is a speed or duplex mismatch with the remote device
b) There is a Layer 2 mismatch in the encapsulation type
c) The Ethernet interface has been manually disabled
d) Keepalives are not being received by the local device
e) The Ethernet cable might not be attached properly

Answer: a, b

Question: 7

Which type of memory stores the configuration of a router or switch by default?

a) RAM
b) ROM
c) NVRAM
d) flash

Answer: a

Question: 8

How many pairs of copper wire does a UTP cable have?

a) 2
b) 3
c) 4
d) 5

Answer: c

Question: 9

Which method is the fastest way to recover a software version that supports a USB flash port on a Cisco device?

a) tftp command
b) xmodem transfer command
c) copy command with USB memory
d) copy tftp flash: command

Answer: c

Question: 10

When you deploy Cisco Catalyst 3850 Series switches, which two modes of operation can you choose from?

a) Active mode and Standby mode
b) Install mode and Bundle mode
c) Boot mode and Run mode
d) Exec mode and User mode

Answer: b

Avail the Study Guide to Pass Cisco 100-490 CCT Routing and Switching Exam:

- Find out about the 100-490 syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.
- Once you are done exploring the **100-490 syllabus**, it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the 100-490 training. Joining the Cisco provided training for 100-490 exam helps a candidate to strengthen his practical knowledge base from the certification.
- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the **100-490 sample questions** and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. 100-490 practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

Career Benefits:

Passing the 100-490 exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.

Here Is the Trusted Practice Test for the 100-490 Certification

NWExam.com is here with all the necessary details regarding the 100-490 exam. We provide authentic practice tests for the 100-490 exam. What do you gain from these practice tests? You get to experience the real exam-like questions made by industry experts and get a scope to improve your performance in the actual exam. Rely on NWExam.com for rigorous, unlimited two-month attempts on the **100-490 practice tests**, and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the Cisco Certified Technician Routing & Switching.

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