



# CISCO 100-490

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

**Exam Summary – Syllabus – Questions**

**100-490**

**Cisco Certified Technician Routing & Switching**

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

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## Know Your 100-490 Certification Well:

The 100-490 is best suitable for candidates who want to gain knowledge in the Cisco Routing and Switching. Before you start your 100-490 preparation you may struggle to get all the crucial CCT Routing and Switching materials like 100-490 syllabus, sample questions, study guide.

But don't worry the 100-490 PDF is here to help you prepare in a stress free manner.

The PDF is a combination of all your queries like-

- What is in the 100-490 syllabus?
- How many questions are there in the 100-490 exam?
- Which Practice test would help me to pass the 100-490 exam at the first attempt?

Passing the 100-490 exam makes you Cisco Certified Technician Routing & Switching. Having the CCT Routing and Switching certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

## Cisco 100-490 CCT Routing and Switching Certification Details:

<b>Exam Name</b>	Supporting Cisco Routing and Switching Network Devices
<b>Exam Code</b>	100-490
<b>Exam Price</b>	\$125 USD
<b>Duration</b>	90 minutes
<b>Number of Questions</b>	55-65
<b>Passing Score</b>	Variable (750-850 / 1000 Approx.)
<b>Recommended Training</b>	<a href="#">Supporting Cisco Routing and Switching Network Devices (RSTECH) v3.0</a>
<b>Exam Registration</b>	<a href="#">PEARSON VUE</a>
<b>Sample Questions</b>	<a href="#">Cisco 100-490 Sample Questions</a>

<b>Practice Exam</b>	<b>Cisco Certified Technician Routing &amp; Switching Practice Test</b>
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## 100-490 Syllabus:

Section	Weight	Objectives
General Networking Knowledge	25%	<ul style="list-style-type: none"> <li>- Use the OSI and TCP/IP models and their associated protocols to explain how data flows in a network</li> <li>- Describe the basic functionality and key differences of this hardware: LAN switch, router, and wireless access points</li> <li>- Differentiate between these Layer 2 technologies: Ethernet, Fast Ethernet, Gigabit Ethernet, Serial, and Optical</li> <li>- Describe LAN cabling</li> <li>- Describe the function of CSU/DSU</li> <li>- Describe Telco termination point</li> <li>- Describe an IPv4 and IPv6 address and subnet</li> <li>- Describe the function of FTP, TFTP and PING</li> <li>- Describe the function of Telnet and SSH</li> </ul>
Cisco Equipment and Related Hardware	20%	<ul style="list-style-type: none"> <li>- 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.</li> <li>- Identify Cisco products by logo marking and model number (including, but not limited to, locations on - chassis, line card, module, or adapter)</li> <li>- Identify Cisco Transceiver Modules</li> <li>- Identify and locate the serial number of Cisco products (including, but not limited to, locations on chassis, line card, module, or adapter)</li> <li>- Identify and describe commonly used components</li> <li>- Describe hardware memory common terms and their use in Cisco routers and switches</li> <li>- Identify the cabling on Cisco equipment</li> <li>- Identify tools for hardware installation and replacement</li> <li>- Identify the different loop-back plugs (RJ45 Ethernet, T1, 56K)</li> </ul>
Cisco IOS Software Operation	29%	<ul style="list-style-type: none"> <li>- Describe the key role of Cisco IOS, IOS-XE, IOS-XR and NX-OS software</li> <li>- Navigate between different operating modes</li> <li>- Determine the current mode of a device</li> <li>- Copy and paste a configuration file from/to a router or switch</li> </ul>

Section	Weight	Objectives
		<ul style="list-style-type: none"> <li>- Use and interpret the basic Cisco IOS Software commands</li> <li>- Describe the location and process to change the configuration register parameter</li> <li>- Identify a configuration file from a Cisco device</li> <li>- Describe the licensing process on different platforms</li> <li>- Describe Bundle Mode/Install Mode IOS-XE</li> </ul>
Service-Related Knowledge	26%	<ul style="list-style-type: none"> <li>- Locate and use a text editor such as, Notepad</li> <li>- Locate and use the Windows command prompt</li> <li>- Locate, configure, and use Terminal Emulation ( Tera Term, Putty)</li> <li>- 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</li> <li>- Make a physical connection from laptop to Cisco console port</li> <li>- Connect, configure, and verify operation status of a device interface</li> <li>- Configure and use TFTP and FTP servers (TFTP d32/64, Filezilla)</li> <li>- Perform software upgrade or downgrade using TFTP, FTP, xmodem, tftpdnld, or USB Storage</li> <li>- Manage configurations via the TCP/IP network</li> <li>- Perform password recovery on a Cisco device</li> <li>- Identify and correct common network problems at Layers 1 and 2               <ul style="list-style-type: none"> <li>• Serial or ether interface status</li> <li>• Ethernet layer 2 (full and half duplex, speed issues)</li> <li>• WAN serial loopback test (T1, 56K and Telco assisted loopback)</li> </ul> </li> </ul>

## Cisco 100-490 Sample Questions:

### Question: 1

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: 2

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: 3

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: 4

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: 5**

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: 6**

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: 7**

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: 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**

## Study Guide to Crack Cisco CCT Routing and Switching 100-490 Exam:

- Getting details of the 100-490 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the 100-490 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the Cisco provided training for 100-490 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.

- Read from the 100-490 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on 100-490 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

## Reliable Online Practice Test for 100-490 Certification

Make NWExam.com your best friend during your Supporting Cisco Routing and Switching Network Devices exam preparation. We provide authentic practice tests for the 100-490 exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual 100-490 exam. We guarantee you 100% success in your first exam attempt if you continue practicing regularly. Don't bother if you don't get 100% marks in initial practice exam attempts. Just utilize the result section to know your strengths and weaknesses and prepare according to that until you get 100% with our practice tests. Our evaluation makes you confident, and you can score high in the 100-490 exam.

**Start Online Practice of 100-490 Exam by Visiting URL**

**<https://www.nwexam.com/cisco/100-490-supporting-cisco-routing-and-switching-network-devices-rstech>**