



# CISCO 500-230

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**Cisco Service Provider Routing for Field Engineers Certification  
Questions & Answers**

**Exam Summary – Syllabus – Questions**

**500-230**

**[Cisco Partner Field Engineer](#)**

**25-35 Questions Exam – Variable (750-850 / 1000 Approx.) Cut Score – Duration of 60  
minutes**

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## Know Your 500-230 Certification Well:

The 500-230 is best suitable for candidates who want to gain knowledge in the Cisco Channel Partner and Other. Before you start your 500-230 preparation you may struggle to get all the crucial Service Provider Routing for Field Engineers materials like 500-230 syllabus, sample questions, study guide.

But don't worry the 500-230 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 500-230 syllabus?
- How many questions are there in the 500-230 exam?
- Which Practice test would help me to pass the 500-230 exam at the first attempt?

Passing the 500-230 exam makes you Cisco Partner Field Engineer. Having the Service Provider Routing for Field Engineers 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 500-230 Service Provider Routing for Field Engineers Certification Details:

<b>Exam Name</b>	Cisco Service Provider Routing for Field Engineers
<b>Exam Code</b>	500-230
<b>Exam Price</b>	\$300 USD
<b>Duration</b>	60 minutes
<b>Number of Questions</b>	25-35
<b>Passing Score</b>	Variable (750-850 / 1000 Approx.)
<b>Recommended Training</b>	<a href="#">Cisco Service Provider Routing Foundational Training</a> <a href="#">Cisco Service Provider Routing Advanced Field Engineer Instructor Led Training</a>
<b>Exam Registration</b>	<a href="#">PEARSON VUE</a>

<b>Sample Questions</b>	<a href="#"><u>Cisco 500-230 Sample Questions</u></a>
<b>Practice Exam</b>	<a href="#"><u>Cisco Partner Field Engineer Practice Test</u></a>

## 500-230 Syllabus:

Section	Weight	Objectives
Cisco Fundamental IOS XR Concepts	50%	<ul style="list-style-type: none"> <li>- Describe Cisco IOS XR general architecture and command line interface (CLI) <ul style="list-style-type: none"> <li>• IOS XR architecture, high availability, scalability</li> </ul> </li> <li>- Describe basic system configuration <ul style="list-style-type: none"> <li>• Configuration operations</li> <li>• Initial configuration</li> <li>• Reviewing the configuration</li> <li>• Route processor redundancy</li> </ul> </li> <li>- Describe switch architecture <ul style="list-style-type: none"> <li>• Cisco IOS XR architecture, high availability, and scalability review</li> <li>• Verifying the fabric data path</li> </ul> </li> <li>- Describe Cisco IOS XR software operations <ul style="list-style-type: none"> <li>• Examining the operation basics</li> <li>• Examining configuration operations</li> <li>• Examining configuration rollback and recovery</li> <li>• Examining process management</li> </ul> </li> <li>- Describe configuration file system overview</li> <li>- Describe system monitoring commands</li> <li>- Describe error messages and core dumps <ul style="list-style-type: none"> <li>• System error messages</li> <li>• Logging system messages</li> <li>• Cisco IOS XR core dumps</li> </ul> </li> <li>- Describe IOS XR installation <ul style="list-style-type: none"> <li>• Installing the software</li> <li>• Recovering from a software installation</li> </ul> </li> </ul>

Section	Weight	Objectives
		<ul style="list-style-type: none"> <li>- Describe secure domain routers</li> <li>- Describe AAA security</li> <li>- Describe network time synchronization</li> </ul>
Cisco Advanced IOS XR Concepts	50%	<ul style="list-style-type: none"> <li>- Describe monitoring processes <ul style="list-style-type: none"> <li>• Describe processes, threads, and dynamic link libraries</li> <li>• Describe mandatory processes</li> <li>• Describe CPU hog condition</li> <li>• Describe process crashes and stuck processes</li> <li>• Describe useful commands for debugging processes</li> <li>• Describe restart of processes</li> <li>• Describe process monitoring</li> <li>• Describe identifying memory problems and memory depletion</li> </ul> </li> <li>- Describe Cisco Traffic Flow Troubleshooting <ul style="list-style-type: none"> <li>• Troubleshooting Cisco IOS XR line card data packet flow and Cisco IOS XR switch fabric</li> </ul> </li> <li>- Describe MPLS label distribution protocol <ul style="list-style-type: none"> <li>• Describe components of the Label Forwarding Information Base (LFIB)</li> <li>• Describe LDP protocol overview</li> <li>• Describe Cisco IOS XR LDP implementation</li> <li>• Describe Cisco IOS XR MPLS forwarding infrastructure</li> <li>• Describe LDP operation and configuration</li> <li>• Describe commands for troubleshooting LDP operation</li> </ul> </li> <li>- Describe Intra-AS Layer 3 VPNs <ul style="list-style-type: none"> <li>• L3VPN overview, operation, intranet, and extranet configuration and verification</li> </ul> </li> <li>- Describe Inter-AS Layer 3 VPNs <ul style="list-style-type: none"> <li>• Inter-AS L3VPN overview, operation A, B, and C configuration and verification</li> </ul> </li> </ul>

## Cisco 500-230 Sample Questions:

### Question: 1

Which VRFs must be configured on the ASBRs between the two AS'es in an Option B Layer-3 VPN solution?

- a) The VRFs shared between the two AS'es plus one VRF representing each AS.
- b) The VRFs shared between the two AS'es plus one shared VRF.
- c) The VRFs shared between the two AS'es.
- d) The VRFs do no need to be configured on the ASBRs.

**Answer: c**

### Question: 2

How many times are Layer 3 lookups performed on a packet transiting a CRS of ASR9k router?

- a) Three times: in the ingress linecard, the fabric, and the egress linecard
- b) Once: in the active RP/RSP
- c) Once: in the ingress linecard
- d) Twice: in the ingress linecard and again in the ingress linecard

**Answer: a**

### Question: 3

How do you verify the label(s) used between the ASBRs in Option A Inter-AS L3VPN operation?

- a) Verify the labels assigned by LDP in the output of SHOW MPLS FORWARDING
- b) Verify the labels assigned by MP-BGP in the SHOW BGP VPNV4 UNICAST
- c) Verify the labels assigned by MP-BGP in the SHOW CEF VRF output
- d) There are no labels used between the ASBRs

**Answer: d**

### Question: 4

Which command is an example of how to configure system logging to a Syslog server?

- a) logging 172.21.116.27
- b) syslog server1
- c) logging syslog server 172.21.116.27
- d) enable syslog server1

**Answer: a****Question: 5**

One of your peers show <NO NEG> in the SHOW BGP VPNV4 UNICAST SUMMARY output. What is the cause of this?

- a) The label value ranges are mismatched.
- b) The peer has no prefixes with a Route-Target that the local router is importing.
- c) The peer router is not configured to use the VPNv4 address-family for this connection.
- d) The BGP prefixes between the routers have not fully converged and will correct itself in time.

**Answer: c****Question: 6**

Which protocol is a PE to CE routing protocol?

- a) ODR
- b) LDP
- c) RIPv1
- d) eBGP

**Answer: d****Question: 7**

What is the default MP-BGP address-family on IOS-XR?

- a) IPv6 unicast
- b) There is no default address-family
- c) IPv4 unicast
- d) VPNv4

**Answer: b****Question: 8**

How frequently does the WDSYMON Watcher thread wake up to check counters?

- a) every 1 sec
- b) every 2 sec
- c) every 200 msec
- d) every 500 msec

**Answer: a****Question: 9**

How are labels exchanged between the AS'es in an Option B Layer-3 VPN solution?

- a) Via an eBGP multihop connection between the Ingress PE's in each AS.
- b) Via an eBGP multihop connection between a Route-Reflector in each AS.
- c) There are no labels exchanged between the two AS'es.
- d) Via an eBGP multihop connection between the directly connected ASBR's, one in each AS.

**Answer: d****Question: 10**

Which command is used to redistribute BGP into EIGRP for a Layer 3 VPN customer?

- a) router(config-eigrp-af)# redistribute bgp 65001
- b) router(config-eigrp-vrf-af)# redistribute bgp 65001
- c) router(config-eigrp-vrf)# redistribute bgp 65001
- d) router(config-eigrp)# redistribute bgp 65001

**Answer: b**

## Study Guide to Crack Cisco Service Provider Routing for Field Engineers 500-230 Exam:

- Getting details of the 500-230 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 500-230 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 500-230 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 500-230 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 500-230 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

## Reliable Online Practice Test for 500-230 Certification

Make NWExam.com your best friend during your Cisco Service Provider Routing for Field Engineers exam preparation. We provide authentic practice tests for the 500-230 exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual 500-230 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 500-230 exam.

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