JN0-647

Enterprise Routing and Switching Professional

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SUCCESS GUIDE TO JUNIPER CERTIFICATION

Exam Summary – Syllabus – Questions

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Introduction to JN0-647 Exam on Enterprise Routing and Switching Professional

A great way to start the Juniper Networks Certified Professional Enterprise Routing and Switching (JNCIP-ENT) preparation is to begin by properly appreciating the role that syllabus and study guide play in the Juniper JN0-647 certification exam. This study guide is an instrument to get you on the same page with Juniper and understand the nature of the Juniper JNCIP Routing and Switching exam.

Our team of experts has composed this Juniper JN0-647 exam preparation guide to provide the overview about Juniper Enterprise Routing and Switching Professional exam, study material, sample questions, practice exam and ways to interpret the exam objectives to help you assess your readiness for the Juniper JNCIP-ENT 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 Juniper JNCIP Routing and Switching certification exam.

Juniper JN0-647 Certification Details:

Exam Name	Enterprise Routing and Switching Professional
Exam Number	JN0-647 JNCIP-ENT
Exam Price	$400 USD
Duration	120 minutes
Number of Questions	65
Passing Score	Variable (60-70% Approx.)
Recommended Training	Advanced Junos Enterprise Routing (AJER) Advanced Junos Enterprise Switching Using Enhanced Layer 2 Software (AJEX-ELS)
Exam Registration	PEARSON VUE
Sample Questions	Juniper JN0-647 Sample Questions
Practice Exam	**Juniper Networks Certified Professional Enterprise Routing and Switching Practice Test**

Juniper JN0-647 Exam Syllabus:

Section	Objectives
Interior Gateway Protocols (IGPs)	Describe the concepts, operation or functionality of IGPs - IS-IS - RIP - OSPFv2 and OSPFv3 - Routing Policy Given a scenario, demonstrate knowledge of how to configure, troubleshoot, or monitor IGPs
BGP	Describe the concepts, operation or functionality of BGP - BGP route selection process - Next hop resolution - BGP attributes - concept and operation - BGP communities - Regular expressions - Load balancing - multipath, multihop, forwarding table - NLRI families -- inet, inet6 - Advanced BGP options Given a scenario, demonstrate knowledge of how to configure, troubleshoot, or monitor BGP - Implement BGP routing policy
IP Multicast	Describe the concepts, operation or functionality of IP multicast - Components of IP multicast, including multicast addressing - IP multicast traffic flow - Any-Source Multicast (ASM) vs. Source-Specific Multicast (SSM) - RPF - concept and operation - IGMP, IGMP snooping - PIM dense-mode and sparse-mode - Rendezvous point (RP) - concept, operation, discovery, election - SSM - requirements, benefits, address ranges - Anycast RP - MSDP - Routing policy and scoping Given a scenario, demonstrate knowledge of how to configure, troubleshoot, or monitor IP multicast - IGMP, PIM-DM, or PIM-SM (including SSM) - Implement IP multicast routing policy

Section	Objectives
Ethernet Switching and Spanning Tree	Describe the concepts, operation or functionality of advanced Ethernet switching - Filter-based VLANs - Private VLANs - Dynamic VLAN registration using MVRP - Tunnel Layer 2 traffic through Ethernet networks - Junos Fusion Enterprise - Layer 2 tunneling using Q-in-Q and L2PT Given a scenario, demonstrate knowledge of how to configure, troubleshoot, or monitor advanced Ethernet switching - Filter-based VLANs - Private VLANs - Dynamic VLAN registration using MVRP - Tunnel Layer 2 traffic through Ethernet networks - Junos Fusion Enterprise - Layer 2 tunneling using Q-in-Q and L2PT Describe the concepts, operation or functionality of advanced spanning tree protocols, including MSTP or VSTP - Given a scenario, demonstrate knowledge of how to configure, troubleshoot, or monitor MSTP or VSTP
Layer 2 Authentication and Access Control	Describe the operation of various Layer 2 authentication or access control features - Authentication process flow - 802.1x - concepts and functionality - MAC RADIUS - Captive portal - Server fail fallback - Guest VLAN - Considerations when using multiple authentication/access control methods Given a scenario, demonstrate how to configure, troubleshoot, or monitor Layer 2 authentication or access control
IP Telephony Features	Describe the concepts, operation or functionality of features that facilitate IP telephony deployments - Power over Ethernet (PoE) - LLDP and LLDP-MED - Voice VLAN Given a scenario, demonstrate how to configure, troubleshoot, or monitor features used to support IP telephony deployments

Section	Objectives
Class of Service (CoS)	Describe the concepts, operation or functionality of Junos CoS for Layer 2/3 networks - CoS processing on Junos devices - CoS header fields - Forwarding classes - Classification - Packet loss priority - Policers - Schedulers - Drop profiles - Shaping - Rewrite rules Given a scenario, demonstrate knowledge of how to configure, troubleshoot, or monitor CoS for Layer 2/3 networks

JN0-647 Sample Questions:

01. Which operational mode command will show the VRRP priority?
a) show vrrp detail
b) show interfaces vrrp extensive
c) show vrrp summary
d) monitor interfaces vrrp

02. Which command shows you the status of the redundant trunk groups configured on an EX Series switch?
a) show interfaces
b) show redundant-trunk-group
c) show spanning-tree interface
d) show ethernet-switching redundant-trunk-group

03. Which two tools are useful for monitoring inter-VLAN routing?
(Choose two.)
a) vlan-trace
b) GVRP
c) ping
d) traceroute

04. You must allow both untagged and tagged VLAN traffic to enter an interface on an EX Series switch. Which two methods satisfy this requirement?
(Choose two.)
a) Configure the port with dual-mode VLAN tagging.
b) Configure the port using the voice VLAN feature.
c) Configure the port with the native-vlan-id parameter.
d) Configure the port with the access parameter.

05. Which protocol family must you configure to enable bridging on an interface of an EX Series switch?
a) inet
b) inet-bridging
c) ethernet-switching
d) ethernet-bridging

06. What are three valid bridging mechanisms?
(Choose three.)
a) Forwarding
b) Refreshing
c) Flooding
d) Aging
e) Segmenting

07. A root bridge in an RSTP network is connected to other neighboring bridges using point-to-point links. Which combination of port types can exist on the root bridge?
a) There can be some combination of designated ports and alternate ports.
b) There can be some combination of root ports and alternate ports.
c) All ports will be designated ports.
d) All ports will be root ports.

08. Which two statements regarding an STP BPDU Ethernet frame are true?
(Choose two.)
a) The source MAC address is always 01:80:C2:00:00:00.
b) The destination MAC address is always 01:80:C2:00:00:00.
c) The destination MAC address is the MAC address associated with the receiving interface.
d) The source MAC address is the MAC address associated with the transmitting interface.

09. Which statement is true regarding STP?
a) All switch ports operating in the point-to-point mode have a quicker recovery time than switch ports operating in shared mode.
b) All switch ports must pass through the listening and learning states before they can be placed in the forwarding state.
c) Edge ports are automatically placed in the forwarding state when they are operational.
d) Nonedge ports must receive at least one keepalive every six seconds to remain operational.

10. Which is evaluated first when selecting a BGP route?
a) MED
b) Origin
c) Local preference
d) AS path

Answers to JN0-647 Exam Questions:

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

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