

# JUNIPER JN0-349

Juniper JNCIS Routing and Switching Certification  
Questions & Answers

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**JN0-349**

**[Juniper Networks Certified Specialist Enterprise  
Routing and Switching](#)**

**65 Questions Exam – Variable (60-70% Approx.)**

**Cut Score – Duration of 90 minutes**



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## Discover More about the JN0-349 Certification

Are you interested in passing the Juniper JN0-349 exam? First discover, who benefits from the JN0-349 certification. The JN0-349 is suitable for a candidate if he wants to learn about Enterprise Routing and Switching. Passing the JN0-349 exam earns you the Juniper Networks Certified Specialist Enterprise Routing and Switching title.

While preparing for the JN0-349 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The JN0-349 PDF contains some of the most valuable preparation tips and the details and instant access to useful [JN0-349 study materials just at one click.](#)

## Juniper JN0-349 JNCIS Routing and Switching Certification Details:

Exam Name	Enterprise Routing and Switching Specialist
Exam Number	JN0-349 JNCIS-ENT
Exam Price	\$300 USD
Duration	90 minutes
Number of Questions	65
Passing Score	Variable (60-70% Approx.)
Recommended Training	<a href="#">Junos Intermediate Routing (JIR)</a> <a href="#">Junos Enterprise Switching (JEX)</a>
Exam Registration	<a href="#">PEARSON VUE</a>
Sample Questions	<a href="#">Juniper JN0-349 Sample Questions</a>
Practice Exam	<a href="#">Juniper Networks Certified Specialist Enterprise Routing and Switching Practice Test</a>

## JN0-349 Syllabus:

Section	Objectives
Layer 2 Switching or VLANs	<p>Identify the concepts, operation, or functionality of Layer 2 switching for the Junos OS</p> <ul style="list-style-type: none"> <li>• Bridging components</li> <li>• Frame processing</li> </ul> <p>Describe the concepts, benefits, or functionality of VLANs</p>

Section	Objectives
	<ul style="list-style-type: none"> <li>• Ports</li> <li>• Tagging</li> <li>• Native VLANs and voice VLANs</li> <li>• Inter-VLAN routing</li> </ul> <p>Demonstrate knowledge how to configure, monitor or troubleshoot Layer 2 switching or VLANs</p> <ul style="list-style-type: none"> <li>• Interfaces and ports</li> <li>• VLANs</li> <li>• Inter-VLAN Routing</li> </ul>
Spanning Tree	<p>Describe the concepts, benefits, operation, or functionality of the Spanning Tree Protocol</p> <ul style="list-style-type: none"> <li>• STP and RSTP concepts</li> <li>• Port roles and states</li> <li>• BPDUs</li> <li>• Convergence and reconvergence</li> </ul> <p>Demonstrate knowledge how to configure, monitor, or troubleshoot Spanning Tree</p> <ul style="list-style-type: none"> <li>• STP</li> <li>• RSTP</li> </ul>
Layer 2 Security	<p>Identify the concepts, benefits or operation of various Layer 2 protection or security features</p> <ul style="list-style-type: none"> <li>• BPDU, loop or root protection</li> <li>• Port security, including MAC limiting, DHCP snooping, Dynamic ARP inspection (DAI) or IP source guard</li> <li>• MACsec</li> <li>• Storm control</li> </ul> <p>Identify the concepts, benefits or operation of Layer 2 firewall filters</p> <ul style="list-style-type: none"> <li>• Filter types</li> <li>• Processing order</li> <li>• Match criteria and actions</li> </ul> <p>Demonstrate knowledge how to configure, monitor, or troubleshoot Layer 2 security</p>

Section	Objectives
	<ul style="list-style-type: none"> <li>• Protection</li> <li>• Port security</li> <li>• Storm control</li> <li>• Firewall filter configuration and application</li> </ul>
<p>Protocol Independent Routing</p>	<p>Identify the concepts, operation or functionality of various protocol-independent routing components</p> <ul style="list-style-type: none"> <li>• Static, aggregate, and generated routes</li> <li>• Martian addresses</li> <li>• Routing instances, including RIB groups</li> <li>• Load balancing</li> <li>• Filter-based forwarding</li> </ul> <p>Demonstrate knowledge how to configure, monitor, or troubleshoot various protocol-independent routing components</p> <ul style="list-style-type: none"> <li>• Static, aggregate, and generated routes</li> <li>• Load balancing</li> <li>• Filter-based forwarding</li> </ul>
<p>OSPF</p>	<p>Describe the concepts, operation or functionality of OSPF</p> <ul style="list-style-type: none"> <li>• Link-state database</li> <li>• OSPF packet types</li> <li>• Router ID</li> <li>• Adjacencies and neighbors</li> <li>• Designated router (DR) and backup designated router (BDR)</li> <li>• OSPF area and router types</li> <li>• Realms</li> <li>• LSA packet types</li> </ul> <p>Demonstrate knowledge how to configure, monitor or troubleshoot OSPF</p> <ul style="list-style-type: none"> <li>• Areas, interfaces and neighbors</li> <li>• Additional basic options</li> <li>• Routing policy application</li> <li>• Troubleshooting tools (e.g., ping, traceroute, trace options, show commands, logging)</li> </ul>
<p>IS-IS</p>	<p>Describe the concepts, operation or functionality of IS-IS</p>

Section	Objectives
	<ul style="list-style-type: none"> <li>• Link-state database</li> <li>• IS-IS PDUs</li> <li>• TLVs</li> <li>• Adjacencies and neighbors</li> <li>• Levels and areas</li> <li>• Designated intermediate system (DIS)</li> <li>• Metrics</li> </ul> <p>Demonstrate knowledge of how to configure, monitor or troubleshoot IS-IS</p> <ul style="list-style-type: none"> <li>• Levels, interfaces and adjacencies</li> <li>• Additional basic options</li> <li>• Routing policy application</li> <li>• Troubleshooting tools (e.g., ping, traceroute, trace options, show commands, logging)</li> </ul>
BGP	<p>Describe the concepts, operation or functionality of BGP</p> <ul style="list-style-type: none"> <li>• BGP basic operation</li> <li>• BGP message types</li> <li>• Attributes</li> <li>• Route/path selection process</li> <li>• IBGP and EBGP functionality and interaction</li> </ul> <p>Demonstrate knowledge of how to configure, monitor, or troubleshoot BGP</p> <ul style="list-style-type: none"> <li>• Groups and peers</li> <li>• Additional basic options</li> <li>• Routing policy application</li> <li>• Troubleshooting tools (e.g., ping, traceroute, trace options, show commands, logging)</li> </ul>
Tunnels	<p>Identify the concepts, requirements or functionality of IP tunneling</p> <ul style="list-style-type: none"> <li>• Tunneling applications and considerations</li> <li>• GRE</li> <li>• IP-IP</li> </ul>

Section	Objectives
	<p>Demonstrate knowledge of how to configure, monitor or troubleshoot IP tunnels</p> <ul style="list-style-type: none"> <li>• GRE</li> <li>• IP-IP</li> <li>• Troubleshooting tools (e.g., ping, traceroute, trace options, show commands, logging)</li> </ul>
High Availability	<p>Identify the concepts, benefits, applications or requirements for high availability in a Junos OS environment</p> <ul style="list-style-type: none"> <li>• Link aggregation groups (LAG)</li> <li>• Redundant trunk groups (RTG)</li> <li>• Virtual Chassis</li> <li>• Graceful restart (GR)</li> <li>• Graceful Routing Engine switchover (GRES)</li> <li>• Nonstop active routing (NSR)</li> <li>• Nonstop bridging (NSB)</li> <li>• Bidirectional Forwarding Detection (BFD)</li> <li>• Virtual Router Redundancy Protocol (VRRP)</li> <li>• Unified In-Service Software Upgrade (ISSU)</li> </ul> <p>Demonstrate knowledge of how to configure, monitor, or troubleshoot high availability components</p> <ul style="list-style-type: none"> <li>• LAG and RTG</li> <li>• Virtual Chassis</li> <li>• GR, GRES, NSB, and NSR</li> <li>• VRRP</li> <li>• ISSU</li> <li>• Troubleshooting tools (e.g., trace options, show commands, logging)</li> </ul>

## Broaden Your Knowledge with Juniper JN0-349 Sample Questions:

### Question: 1

What are three valid bridging mechanisms?

(Choose three.)

- a) Forwarding
- b) Refreshing
- c) Flooding
- d) Aging
- e) Segmenting

**Answer: a, c, d**

### Question: 2

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.

**Answer: b, c**

### Question: 3

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.

**Answer: b**



**Question: 4**

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.

**Answer: b, d**

**Question: 5**

Which is evaluated first when selecting a BGP route?

- a) MED
- b) Origin
- c) Local preference
- d) AS path

**Answer: c**

**Question: 6**

Which two tools are useful for monitoring inter-VLAN routing?

(Choose two.)

- a) vlan-trace
- b) GVRP
- c) ping
- d) traceroute

**Answer: c, d**

**Question: 7**

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

**Answer: a**

**Question: 8**

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.

**Answer: c****Question: 9**

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

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

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

**Answer: c**

## Avail the Study Guide to Pass Juniper JN0-349 JNCIS Routing and Switching Exam:

- Find out about the JN0-349 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 [JN0-349 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 JN0-349 training. Joining the Juniper provided training for JN0-349 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 [JN0-349 sample questions](#) and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. JN0-349 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 JN0-349 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 JN0-349 Certification

NWExam.com is here with all the necessary details regarding the JN0-349 exam. We provide authentic practice tests for the JN0-349 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 [JN0-349 practice tests](#), and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the Juniper Networks Certified Specialist Enterprise Routing and Switching.

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