Juniper Networks learning paths

Juniper Networks Education Services

November 2023
Juniper Networks Certification Program framework and additional courses

Routing and Switching
- JNCIE-SP
- JNCIE-ENT
- JNCIP-SP
- JNCIP-ENT
- JNCIS-SP
- JNCIA-Junos

Data Center
- JNCIE-DC
- JNCIP-DC
- JNCIS-DC
- JNCIA-DC

Security
- JNCIE-SEC
- JNCIP-SEC
- JNCIS-SEC
- JNCIA-SEC

Cloud

Automation and DevOps

Mist AI

Information as of November 2023. Refer to www.juniper.net/certification for the most current information.
Juniper Networks
Junos-Based Curriculum

Service Provider Routing & Switching
- JNCIE–SP
- JNCIE–ENT
- JNCIP–SP
- JNCIS–SP
- JNCIA–Junos

Enterprise Routing & Switching
- JNCIE–ENT
- JNCIP–ENT
- JNCIS–ENT
- JNCIA–Junos

Data Center
- JNCIE–DC
- JNCIP–DC
- JNCIS–DC
- JNCIA–DC

Network Security
- JNCIE–SEC
- JNCIP–SEC
- JNCIS–SEC
- JNCIA–SEC

Notes: Information current as of November 2023. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.

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Juniper Public
Juniper Networks Curriculum
Service provider routing and switching

Juniper Networks Certified Expert, 
Service Provider Routing and Switching (JNCIE-SP)

- JNCIE-SP Self-Study Bundle: On-Demand

Juniper Networks Certified Professional, 
Service Provider Routing and Switching (JNCIP-SP)

- Junos Layer 2 VPNs: 3 days, On-Demand
- Junos Layer 3 VPNs: 3 days, On-Demand
- Advanced Junos Service Provider Routing: 5 days, On-Demand

Juniper Networks Certified Specialist, 
Service Provider Routing and Switching (JNCIS-SP)

- Junos MPLS Fundamentals: 3 days, On-Demand
- Junos Service Provider Switching: 2 days, On-Demand
- Junos Intermediate Routing: 2 days, On-Demand

Juniper Networks Certified Associate, Junos (JNCIA-Junos)

- Introduction to the Junos Operating System: 3 days, On-Demand
- Getting Started with Networking: 5 hours

See also: Courses in WAN Technologies
Including Cloud Metro and WAN Automation, Protocol, Subscriber and Service Management

Notes: Information current as of June 2023. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.
## Juniper Networks Curriculum
### WAN Technologies

<table>
<thead>
<tr>
<th>Junos OS Evolved</th>
<th>Cloud Metro and WAN Automation</th>
<th>Protocol Management</th>
<th>Subscriber and Service Management</th>
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<tbody>
<tr>
<td>Junos OS Evolved for Cloud Networking</td>
<td>Implementing Cloud-Delivered Juniper Paragon Automation</td>
<td>Junos Multicast Routing</td>
<td>Junos Class of Service</td>
</tr>
<tr>
<td>3 days</td>
<td>2 days</td>
<td>2 days</td>
<td>2 days On-Demand</td>
</tr>
<tr>
<td>Juniper Paragon Automation for the WAN</td>
<td>Junos IP version 6</td>
<td>Circuit to Packet</td>
<td>Junos Subscriber Management</td>
</tr>
<tr>
<td>4 days</td>
<td>2 days</td>
<td>On-Demand</td>
<td>4 days On-Demand</td>
</tr>
<tr>
<td>Paragon Active Assurance for Automated WAN</td>
<td>Junos Segment Routing</td>
<td>DiffServ-Aware MPLS Traffic Engineering</td>
<td>Related Training</td>
</tr>
<tr>
<td>2 days</td>
<td>1 day On-Demand</td>
<td>1 day</td>
<td>Juniper SD-WAN with Mist AI</td>
</tr>
<tr>
<td>Introduction to Paragon Active Assurance</td>
<td></td>
<td></td>
<td>2 Days</td>
</tr>
<tr>
<td>1 hour</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Notes:** Information current as of June 2023. Course and exam information (length, availability, content, etc.) is subject to change; refer to [www.juniper.net/training](http://www.juniper.net/training) for the most current information.

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Juniper Networks Curriculum
Enterprise routing and switching

Juniper Networks Certified Associate, Junos (JNCIA-Junos)
- Introduction to the Junos Operating System: 3 days, On-Demand
- Getting Started with Networking: 5 hours

Juniper Networks Certified Specialist, Enterprise Routing and Switching (JNCIS-ENT)
- Junos Enterprise Switching: 2 days, On-Demand
- Junos Intermediate Routing: 2 days, On-Demand

Juniper Networks Certified Professional, Enterprise Routing and Switching (JNCIP-ENT)
- Advanced Junos Enterprise Switching: 2 days, On-Demand
- Advanced Junos Enterprise Routing: 5 days, On-Demand

Optional: Continue to Juniper Networks Certified Professional, Data Center (JNCIP-DC)

Juniper Networks Certified Expert, Enterprise Routing and Switching (JNCIE-ENT)
- JNCIE-ENT Self-Study Bundle: On-Demand

Notes: Information current as of November 2023. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.

Related Training
- Juniper Wireless Networks with Mist AI: 4 days
- Juniper Campus Networks with Mist AI: 2 Days
- Juniper Networks Campus Switching with Mist AI: 2 hours
- Juniper Session Smart SD-WAN: 4 days
- Cert Prep: Migrating from the Cisco CCNA to the JNCIA-Junos: 7 hours
- Juniper Switching for Cisco Engineers: 3 hours
- Junos IP version 6: 2 days

Automation and DevOps Learning Path
- 7 hours

Junos Troubleshooting: 2 days
Juniper Networks Curriculum

Data center

Juniper Networks Certified Expert, Data Center (JNCIE-DC)
- JNCIE-DC Self-Study Bundle
  - On-Demand

Juniper Networks Certified Professional, Data Center (JNCIP-DC)
- Data Center Fabric with EVPN and VXLAN
  - 5 days
  - On-Demand

Juniper Networks Certified Specialist, Enterprise Routing and Switching (JNCIS-ENT)
- Junos Enterprise Switching
  - 2 days
  - On-Demand
- Junos Intermediate Routing
  - 2 days
  - On-Demand

Juniper Networks Certified Associate, Junos (JNCIA-Junos)
- Introduction to the Junos Operating System
  - 3 days
  - On-Demand
- Getting Started with Networking
  - 5 hours

Juniper Networks Certified Associate, Data Center (JNCIA-DC)
- Introduction to Juniper Data Center Networking
  - 3 days
  - On-Demand

Juniper Networks Certified Specialist, Data Center (JNCIS-DC)
- Data Center Automation Using Juniper Apstra
  - 5 days

Data Center Automation Using Juniper Apstra Freeform
- 5 days

Related Training

Automation and DevOps Learning Path
- Introduction to Juniper Apstra
  - 1 hour
- Junos OS Evolved for Cloud Networking
  - 3 days

Notes: 1. The Introduction to the Junos Operating System course is recommended before taking the Introduction to Juniper Data Center Networking course. 2. The JNCIA-DC or JNCIS-ENT meet the prerequisite for the JNCIC-DC. 3. Students should have extensive experience with EVPN and VXLAN or take the Data Center Fabric with EVPN and VXLAN course before attending the Data Center Automation Using Juniper Apstra Freeform course. Information current as of November 2023. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.
Juniper Networks Curriculum
Security

Service Provider Security

Public Cloud Security

Network Security

SASE

Management and Analytics

Certification
Course

Juniper Networks Certified Expert,
Security (JNCIE-SEC)

JNCIE-SEC Self-Study Bundle
On-Demand

Juniper Networks Certified Professional,
Security (JNCIP-SEC)

Advanced Juniper Security
4 days
On-Demand

Juniper Networks Certified Specialist,
Security (JNCIS-SEC)

Juniper Security
5 days
On-Demand

Juniper SD-WAN with Mist AI
2 days

Implementing Juniper Networks
Secure Analytics
3 days

Deploying Juniper Security
Service Edge
3 days

Junos Space—Security Director
2 days

Juniper Networks Certified Associate,
Security (JNCIA-SEC)

Introduction to Juniper
Security
3 days
On-Demand

Deploying Juniper Security in
AWS and Azure
4 days

Juniper Service Provider Edge
Security
3 days

Notes: Information current as of November 2023. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.

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Juniper Networks Curriculum
Cloud Technologies

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<tr>
<th>Open-Source Cloud Technologies</th>
<th>Cloud Core Technologies</th>
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<tr>
<td>Red Hat, OpenShift, Kubernetes, Docker in Cloud Deployments</td>
<td>Juniper Networks Certified Associate, Cloud (JNCIA-Cloud)</td>
</tr>
<tr>
<td>4 days</td>
<td>Juniper Cloud Fundamentals</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Getting Started with Cloud</td>
</tr>
</tbody>
</table>

Notes: 1. Attendance of the Introduction to the Junos Operating System course is strongly recommended prior to the Juniper Cloud Fundamentals course. Information current as of November 2023. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.
**Juniper Networks Curriculum**

**Automation**

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### Platform Automation

- **Advanced Junos Platform Automation and DevOps**
  - 4 days
  - On-Demand

- **Juniper Networks Certified Specialist, Automation and DevOps (JNCIS-DevOps)**
  - **Junos Platform Automation and DevOps**
    - 5 days
    - On-Demand

- **Juniper Networks Certified Associate, Automation and DevOps (JNCIA-DevOps)**
  - **Introduction to Junos Platform Automation and DevOps**
    - 3 days
    - On-Demand

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### Data Center Automation

- **Juniper Networks Certified Specialist, Data Center (JNCIS-DC)**
  - **Data Center Automation**
    - Data Center Automation using Juniper Apstra
      - 5 days

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### WAN Automation

- **Juniper Paragon Automation for the WAN**
  - 4 days

- **Paragon Active Assurance for Automated WAN**
  - 2 days

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### Cloud Automation

- **Implementing Cloud-Native Contrail Networking**
  - 4 days

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### Enterprise Automation

- **Juniper Mist AIOps**
  - 3 Days

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**Notes:** 1. See Data Center learning path for complete data center training and certification details. Information current as of November 2023. Course and exam information (length, availability, content, etc.) is subject to change; refer to [www.juniper.net/training](http://www.juniper.net/training) for the most current information.
Juniper Networks Curriculum
Mist AI

**Notes:**
1. The Juniper Networks Campus Switching with Mist AI course is a recommended prerequisite to the Juniper Campus Networks with Mist AI course. Information current as of November 2023. Course and exam information (length, availability, content, etc.) is subject to change; refer to [www.juniper.net/training](http://www.juniper.net/training) for the most current information.
Juniper Networks Curriculum
Design

<table>
<thead>
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<th>Certification</th>
<th>Course</th>
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<tr>
<td>Juniper Networks Certified Associate, Design (JNCIA-Design)</td>
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</tbody>
</table>

Juniper Networks Design Fundamentals

Notes: Information current as of November 2023. Course and exam information (length, availability, content, etc.) is subject to change; refer to [www.juniper.net/training](http://www.juniper.net/training) for the most current information.
# Juniper Networks Curriculum Support

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration</th>
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<td>Advanced Junos Troubleshooting</td>
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</tr>
<tr>
<td>Junos Troubleshooting</td>
<td>2 days</td>
</tr>
<tr>
<td>Introduction to the Junos Operating System</td>
<td>3 days</td>
</tr>
<tr>
<td>On-Demand</td>
<td></td>
</tr>
<tr>
<td>Juniper Technical Support Fundamentals</td>
<td>2 days</td>
</tr>
<tr>
<td>On-Demand</td>
<td></td>
</tr>
<tr>
<td>Getting Started with Networking</td>
<td>5 hours</td>
</tr>
</tbody>
</table>

**Note:** The professional-level courses in the Service Provider Routing and Switching, Enterprise Routing and Switching, and Junos Security learning paths contain additional troubleshooting training.

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**Notes:** Information current as of November 2023. Course and exam information (length, availability, content, etc.) is subject to change; refer to [www.juniper.net/training](http://www.juniper.net/training) for the most current information.
Juniper Networks Curriculum
Junos Space

Notes: Information current as of November 2023. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.
Getting Started with Networking 5 hours
Getting Started with Cloud 4 hours
Getting Started with Wi-Fi 2 hours
Getting Started with 5G TBD hours
Getting Started with Telco Cloud TBD hours

Note: These courses teach foundational, industry-standard content and are not-related to each other. They may be taken in any order.

Notes: Information current as of November 2023. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.
Delivery methods

Private Training - Standard or Customized Delivery: www.juniper.net/privatetraining

Contact us: training-amer@juniper.net, training-emea@juniper.net, or training-apac@juniper.net

Juniper will host a private, instructor-led class for up to 16 students. Training can be delivered at a customer's facility, virtually (remote instructor and remote students), or a blend of both onsite with remote students. Private classes can be customized based on the client's exact needs.

On-Demand Courses: www.juniper.net/ondemand

Each course includes self-paced, eLearning modules along with access to real online lab exercises. Students perform the same detailed lab exercises that are taught in instructor-led classes. Courses include six months of access to the materials and lab environment.

Open Enrollment Classes: www.juniper.net/courses

Juniper and/or its Authorized Education Partners host public classrooms in which the customer can send one or more students to attend. Training will be attended either virtually or at a Juniper or Education Partner's facility.

All-Access Training Pass: www.juniper.net/allaccess

Access to all instructor-led and On-Demand Juniper courses, for one low price, for a full year. Available for individuals, teams, and enterprises.