### Juniper Networks Certification Program framework and additional courses

<table>
<thead>
<tr>
<th>Role</th>
<th>Expert</th>
<th>Professional</th>
<th>Specialist</th>
<th>Associate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Routing and Switching</strong></td>
<td>JNCIE-SP</td>
<td>JNCIP-SP</td>
<td>JNCIS-SP</td>
<td>JNCIA-Junos</td>
</tr>
<tr>
<td><strong>Data Center</strong></td>
<td>JNCIE-ENT</td>
<td>JNCIP-ENT</td>
<td>JNCIS-ENT</td>
<td>JNCIA-Junos</td>
</tr>
<tr>
<td><strong>Security</strong></td>
<td>JNCIE-DC</td>
<td>JNCIP-DC</td>
<td>JNCIS-DC</td>
<td>JNCIA-DC</td>
</tr>
<tr>
<td><strong>Cloud</strong></td>
<td>JNCIE-SEC</td>
<td>JNCIP-SEC</td>
<td>JNCIS-SEC</td>
<td>JNCIA-SEC</td>
</tr>
<tr>
<td><strong>Automation and DevOps</strong></td>
<td></td>
<td></td>
<td>JNCIS-DevOps</td>
<td>JNCIA-DevOps</td>
</tr>
<tr>
<td><strong>Mist AI</strong></td>
<td></td>
<td></td>
<td>JNCIS-MistAI</td>
<td>JNCIA-MistAI</td>
</tr>
</tbody>
</table>

**Additional Courses**

- WAN Technologies
- Support
- Design (JNCIA-Design)

Information as of October 2023. Refer to [www.juniper.net/certification](http://www.juniper.net/certification) for the most current information.
Notes: Information current as of October 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
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.
<table>
<thead>
<tr>
<th>Course</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Junos OS Evolved</strong></td>
<td></td>
</tr>
<tr>
<td>Junos OS Evolved for Cloud Networking</td>
<td>3 days</td>
</tr>
<tr>
<td><strong>Cloud Metro and WAN Automation</strong></td>
<td></td>
</tr>
<tr>
<td>Implementing Cloud-Delivered Juniper Paragon Automation</td>
<td>2 days</td>
</tr>
<tr>
<td>Juniper Paragon Automation for the WAN</td>
<td>4 days</td>
</tr>
<tr>
<td>Paragon Active Assurance for Automated WAN</td>
<td>2 days</td>
</tr>
<tr>
<td>Introduction to Paragon Active Assurance</td>
<td>1 hour</td>
</tr>
<tr>
<td><strong>Protocol Management</strong></td>
<td></td>
</tr>
<tr>
<td>Junos Multicast Routing</td>
<td>2 days</td>
</tr>
<tr>
<td>Junos IP version 6</td>
<td>2 days</td>
</tr>
<tr>
<td>Circuit to Packet</td>
<td>On-Demand</td>
</tr>
<tr>
<td>Junos Segment Routing</td>
<td>1 day</td>
</tr>
<tr>
<td>DiffServ-Aware MPLS Traffic Engineering</td>
<td>1 day</td>
</tr>
<tr>
<td><strong>Subscriber and Service Management</strong></td>
<td></td>
</tr>
<tr>
<td>Junos Class of Service</td>
<td>2 days On-Demand</td>
</tr>
<tr>
<td>Junos Subscriber Management</td>
<td>4 days On-Demand</td>
</tr>
<tr>
<td><strong>Related Training</strong></td>
<td></td>
</tr>
<tr>
<td>Juniper SD-WAN with Mist AI</td>
<td>2 Days</td>
</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.
Juniper Networks Curriculum
Enterprise routing and switching

<table>
<thead>
<tr>
<th>Certification</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Juniper Networks Certified Expert, Enterprise Routing and Switching (JNCIE-ENT)</td>
<td>JNCIE-ENT Self-Study Bundle</td>
</tr>
<tr>
<td>Juniper Networks Certified Professional, Enterprise Routing and Switching (JNCIP-ENT)</td>
<td>Advanced Junos Enterprise Switching</td>
</tr>
<tr>
<td></td>
<td>Advanced Junos Enterprise Routing</td>
</tr>
<tr>
<td></td>
<td>Juniper Networks Certified Specialist, Enterprise Routing and Switching (JNCIS-ENT)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Juniper Networks Certified Associate, Junos (JNCIA-Junos)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Junos Troubleshooting 2 days

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

Notes: Information current as of October 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

### Data center

<table>
<thead>
<tr>
<th>Certification</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Juniper Networks Certified Expert, Data Center (JNCIE-DC)</td>
<td>On-Demand</td>
</tr>
<tr>
<td>Juniper Networks Certified Professional, Data Center (JNCIP-DC)</td>
<td>Data Center Fabric with EVPN and VXLAN 5 days On-Demand</td>
</tr>
<tr>
<td>Juniper Networks Certified Specialist, Enterprise Routing and Switching (JNCIS-ENT)</td>
<td>Junos Enterprise Switching 2 days On-Demand Junos Intermediate Routing 2 days On-Demand</td>
</tr>
<tr>
<td>Juniper Networks Certified Associate, Junos (JNCIA-Junos)</td>
<td>Introduction to the Junos Operating System 3 days On-Demand Getting Started with Networking 5 hours</td>
</tr>
<tr>
<td>Juniper Networks Certified Specialist, Data Center (JNCIS-DC) ²</td>
<td>Data Center Automation Using Juniper Apstra 5 days</td>
</tr>
<tr>
<td>Related Training</td>
<td>Automation and DevOps Learning Path</td>
</tr>
<tr>
<td>© 2023 Juniper Networks</td>
<td>Introduction to Juniper Apstra 1 hour</td>
</tr>
<tr>
<td>On-Demand</td>
<td>Junos OS Evolved for Cloud Networking 3 days</td>
</tr>
<tr>
<td>On-Demand</td>
<td>Implementing Cloud-Native Contrail Networking 4 days</td>
</tr>
</tbody>
</table>

### 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 JNCIS-DC.

Information current as of October 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

Security

Service Provider
Security

Public Cloud
Security

Network
Security

SASE

Management and
Analytics

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 Service Provider Edge Security
3 days

Deploying Juniper Security in
AWS and Azure
4 days

Juniper Networks Certified Associate,
Security (JNCIA-SEC)

Introduction to Juniper Security
3 days
On-Demand

Notes: Information current as of October 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 Advanced Threat Prevention
2 hours

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Juniper Public
## Juniper Networks Curriculum

### Cloud

<table>
<thead>
<tr>
<th>Enterprise</th>
<th>Security</th>
<th>Open-Source Cloud Technologies</th>
<th>Cloud Core Technologies</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 days</td>
<td>4 days</td>
<td>4 days</td>
<td></td>
</tr>
</tbody>
</table>

### Certification

- **Juniper Networks Certified Associate, Cloud (JNCIA-Cloud)**
  - 3 days
  - On-Demand

### Course

- **Juniper Cloud Fundamentals**
  - 3 days
- **Getting Started with Cloud**
  - 4 hours

**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 October 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

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

Data Center Automation

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

WAN Automation

- Juniper Paragon Automation for the WAN
  - 4 days
- Paragon Active Assurance for Automated WAN
  - 2 days

Cloud Automation

- Implementing Cloud-Native Contrail Networking
  - 4 days

Enterprise Automation

- Juniper Mist AIOps
  - 3 Days

Notes: 1. See [Data Center learning path](#) for complete data center training and certification details. Information current as of October 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 October 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

Design

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

Notes: Information current as of October 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>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Junos Troubleshooting</td>
<td>3 days</td>
</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></td>
<td>On-Demand</td>
</tr>
<tr>
<td>Juniper Technical Support Fundamentals</td>
<td>2 days</td>
</tr>
<tr>
<td></td>
<td>On-Demand</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.

**Notes:** Information current as of October 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 October 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

Getting started

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Getting Started with Networking</td>
<td>5</td>
</tr>
<tr>
<td>Getting Started with Cloud</td>
<td>4</td>
</tr>
<tr>
<td>Getting Started with Wi-Fi</td>
<td>2</td>
</tr>
<tr>
<td>Getting Started with 5G</td>
<td>TBD</td>
</tr>
<tr>
<td>Getting Started with Telco Cloud</td>
<td>TBD</td>
</tr>
</tbody>
</table>

**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 October 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.
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.