JUNIPER NETWORKS CURRICULUM—SERVICE PROVIDER ROUTING AND SWITCHING

- **JNCIE-SP Bootcamp** 5 days
- **Junos Multicast Routing (JMR)** 2 days
- **Junos Class of Service (JCOS)** 2 days
- **Advanced Junos Service Provider Routing (AJSPR)** 5 days or On-Demand
- **Junos Layer 3 VPNs (JL3V)** 3 days
- **Junos Layer 2 VPNs (JL2V)** 2 days
- **Junos Troubleshooting in the NOC (JTNOC)** 4 days
- **Introduction to the Junos Operating System (IJOSS)** 3 days or On-Demand
- **Networking Fundamentals** 5 hours

- **Juniper Networks Certified Expert Service Provider Routing and Switching (JNCIE-SP)**
  - JPR-960 Service Provider Routing and Switching, Expert (JNCIE-SP)
- **Juniper Networks Certified Professional Service Provider Routing and Switching (JNCIP-SP)**
  - JN0-662 Service Provider Routing and Switching, Professional (JNCIP-SP)
- **Juniper Networks Certified Specialist Service Provider Routing and Switching (JNCIS-SP)**
  - J0N-361 Service Provider Routing and Switching, Specialist (JNCIS-SP)
- **Juniper Networks Certified Associate Junos (JNCIA-Junos)**
  - J0N-102 Junos, Associate (JNCIA-Junos)
- **Junos MPLS Fundamentals (JMF)** 2 days or On-Demand
- **Junos Service Provider Switching (JSPX)** 2 days
- **Junos Intermediate Routing (JIR)** 2 days or On-Demand
- **Juniper Networks Certified Edge Security Services (JESS)** 2 days
- **Junos Subscriber Management (JSM)** 3 days
- **Junos Platform Automation and DevOps (JAUT)** 5 days
- **Creating and Maintaining Optical Transport and MEF Services using the BTI7000 Series** 3 days
- **Creating and Maintaining Optical Transport Services using the BTI7800 Series** 2 days

**Notes:** *Not required training for the JN0-662 exam. Information current as of June 2018. 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

- Juniper Networks Certified Associate Junos (JNCIA-Junos)
  - Introduction to the Junos Operating System (JOS)
    - 3 days or On-Demand
  - Networking Fundamentals
    - 5 hours

- Juniper Networks Certified Associate Junos (JNCIA-Junos)
  - JN0-347 Enterprise Routing and Switching, Specialist (JNCIS-ENT)
  - Junos Intermediate Routing (JIR)
    - 2 days or On-Demand

- Juniper Networks Certified Specialist Enterprise Routing and Switching (JNCIS-ENT)
  - JN0-102 Junos, Associate (JNCIA-Junos)
  - Junos Troubleshooting in the NOC (JTNOC)
    - 4 days

- Juniper Networks Certified Expert Enterprise Routing and Switching (JNCIE-ENT)
  - JPR-943 Enterprise Routing and Switching, Expert (JNCIE-ENT)
  - JN0-647 Enterprise Routing and Switching, Professional (JNCIP-ENT)
  - Junos Enterprise Switching (JEX)
    - 2 days or On-Demand
  - Advanced Junos Enterprise Switching (AJEX)
    - 2 days or On-Demand
  - Advanced Junos Enterprise Routing (AJER)
    - 4 days or On-Demand

- Juniper Networks Certified Professional Enterprise Routing and Switching (JNCIP-ENT)
  - JPR-943 Enterprise Routing and Switching, Expert (JNCIE-ENT)
  - JN0-647 Enterprise Routing and Switching, Professional (JNCIP-ENT)
  - Junos Intermediate Routing (JIR)
    - 2 days or On-Demand

- Juniper Networks Certified Professional, Data Center (JNCIP-DC)
  - JPR-943 Enterprise Routing and Switching, Expert (JNCIE-ENT)
  - JN0-347 Enterprise Routing and Switching, Specialist (JNCIS-ENT)
  - Advanced Junos Enterprise Routing (AJER)
    - On-Demand
  - Advanced Junos Enterprise Switching (AJEX)
    - On-Demand

Notes: Information current as of June 2018. 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

Juniper Networks Certified Expert Security (JNCIE-SEC)
JPR-932 Security, Expert (JNCIE-SEC)

Juniper Networks Certified Professional Security (JNCIP-SEC)
JN0-634 Security, Professional (JNCIP-SEC)

Juniper Networks Certified Specialist Security (JNCIS-SEC)
JN0-333 Security Specialist (JNCIS-SEC)

Juniper Networks Certified Associate Junos (JNCIA-Junos)
JN0-102 Junos, Associate (JNCIA-Junos)

Notes: Information current as of June 2018. 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—JUNOS-BASED CURRICULUM

Service Provider Routing & Switching
- JNCIE–SP
  - JNCIE–SP Bootcamp
- JNCIP–SP
  - Junos Multicast Routing (JMR)
  - Junos Class of Service (JCOS)
  - Advanced Junos Service Provider Routing (AJSPR)
  - Junos Layer 3 VPNs (JL3V)
  - Junos Layer 2 VPNs (JL2V)
- JNCIS–SP
  - Junos MPLS Fundamentals (JMF)
  - Junos Service Provider Switching (JSPX)
  - Junos Intermediate Routing (JIR)

Enterprise Routing & Switching
- JNCIE–ENT
  - JNCIE–ENT Bootcamp
- JNCIP–ENT
  - Advanced Junos Enterprise Switching (AJEX)
  - Advanced Junos Enterprise Routing (AJER)
- JNCIS–ENT
  - Junos Enterprise Switching (JEX)
  - Junos Intermediate Routing (JIR)

Data Center
- JNCIE–DC
  - JNCIE–DC Bootcamp
- JNCIP–DC
  - Advanced Data Center Switching (ADCX)

Junos Security
- JNCIE–SEC
  - JNCIE–SEC Bootcamp
- JNCIP–SEC
  - Advanced Junos Security (AJSEC)
- JNCIS–SEC
  - Junos Security (JSEC)

Notes: Information current as of June 2018. 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—DATA CENTER

Juniper Networks Certified Expert Data Center (JNCIE-DC)

JPR-980 Data Center, Expert (JNCIE-DC)

Juniper Networks Certified Professional Data Center (JNCIP-DC)

JN0-680 Data Center, Professional (JNCIP-DC)

Advanced Data Center Switching (ADCX) 5 days

Juniper Networks Certified Specialist Enterprise Routing and Switching (JNCIS-ENT) or equivalent knowledge.

Additional Training

Junos Platform Automation and DevOps (JAUT) 5 days

Notes: Information current as of June 2018. 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—CLOUD**

<table>
<thead>
<tr>
<th>Certification</th>
<th>Exam</th>
<th>Course</th>
<th>In Planning</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Juniper Networks Certified Professional Enterprise Cloud (JNCIP-ENT-Cloud)</strong>**</td>
<td></td>
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<tr>
<td><strong>Network Automation in the Enterprise Cloud (NAEC)</strong>**</td>
<td>3 days</td>
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<tr>
<td><strong>Juniper Networks Certified Professional Service Provider Cloud (JNCIP-SP-Cloud)</strong>**</td>
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<tr>
<td><strong>Network Automation in the Service Provider Cloud (NASPC)</strong></td>
<td>3 days</td>
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<table>
<thead>
<tr>
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<th>Exam</th>
<th>Course</th>
<th>In Planning</th>
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<tbody>
<tr>
<td><strong>Juniper Networks Certified Specialist Cloud (JNCIS-Cloud)</strong>*</td>
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<td><strong>JN0-411 Cloud, Specialist (JNCIS-Cloud)</strong>*</td>
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<tr>
<td><strong>Network Automation Using (Open) Contrail Cloud (NACC)</strong></td>
<td>5 days</td>
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<tr>
<td><strong>Juniper Networks Certified Associate Cloud (JNCIA-Cloud)</strong></td>
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<tr>
<td><strong>JN0-210 Cloud, Associate (JNCIA-Cloud)</strong></td>
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<tr>
<td><strong>Juniper Cloud Fundamentals (JCF)</strong>†</td>
<td>3 days or On-Demand</td>
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</tbody>
</table>

**Notes:** *Formerly known as Juniper Networks Certified Specialist – SDN and Automation (JNCIS-SDNA).* **NAEC is in planning however the current version of the course, Network Automation in the Data Center (NA-DC) is available. †Attendance of the Introduction to the Junos Operating System (IJOS) course is strongly recommended prior to the JCF course. Information current as of June 2018. 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—AUTOMATION AND DEVOPS

Introduction to the Junos Operating System (IJOS) 3 Days or On-Demand

Networking Fundamentals 5 hours

Junos Platform Automation and DevOps (JAUT) 5 days

Advanced Junos Platform Automation and DevOps (AJAUT) 3 days

Juniper Networks Certified Associate Junos (JNCIA-Junos)

JN0-102 Junos, Associate (JNCIA-Junos)

Juniper Networks Certified Specialist Automation and DevOps (JNCIS-DevOps)

JN0-420 Automation and DevOps, Specialist (JNCIS-DevOps)

Juniper Networks Certified Professional Automation and DevOps (JNCIP-DevOps)*

Additional Automation Training

<table>
<thead>
<tr>
<th>Course</th>
<th>Length</th>
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<tbody>
<tr>
<td>Network Automation Using (Open) Contrail Cloud (NACC)</td>
<td>5 days</td>
</tr>
<tr>
<td>Network Automation in the Enterprise Cloud (NAEC)</td>
<td>3 days</td>
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<tr>
<td>Network Automation in the WAN (NA-WAN)</td>
<td>3 days</td>
</tr>
<tr>
<td>Junos SDK Overview</td>
<td>2 hours</td>
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<tr>
<td>Junos as a Scripting Language</td>
<td>4 hours</td>
</tr>
<tr>
<td>Junos Space Essentials (JSE)</td>
<td>2 days</td>
</tr>
<tr>
<td>Junos Space Security Director (JS-SD)</td>
<td>2 days</td>
</tr>
<tr>
<td>Junos Space Network Director (JS-ND)</td>
<td>1 day</td>
</tr>
<tr>
<td>Juniper Learning Bytes</td>
<td>Varies</td>
</tr>
</tbody>
</table>

Notes: *In planning. Information current as of June 2018. 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—DESIGN

Data Center Design Track

Juniper Networks Certified Design Specialist, Data Center (JNCDS-DC)
JN0-1300 Design, Specialist, Data Center (JNCDS-DC)
Juniper Networks Design—Data Center (JND-DC) 5 days

WAN Design Track

Juniper Networks Certified Design Specialist, WAN (JNCDS-WAN)
JN0-1360 Design, Specialist, WAN (JNCDS-WAN)
Juniper Networks Design—WAN (JND-WAN) 5 days

Security Design Track

Juniper Networks Certified Design Specialist, Security (JNCDS-SEC)
JN0-1330 Design, Specialist, Security (JNCDS-SEC)
Juniper Networks Design—Security (JND-SEC) 5 days

Juniper Networks Certified Design Associate (JNCDA)
JN0-1100 Design, Associate (JNCDA)
Juniper Networks Design Fundamentals (JNDF) 3 days

Notes: Information current as of June 2018. 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—SUPPORT

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration</th>
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<tbody>
<tr>
<td>Junos Troubleshooting in the NOC (JTNOC)</td>
<td>4 days</td>
</tr>
<tr>
<td>Introduction to the Junos Operating System (IJOS)</td>
<td>3 days or On-Demand</td>
</tr>
<tr>
<td>Networking Fundamentals</td>
<td>5 hours</td>
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**Notes:** Information current as of June 2018. 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—PRODUCT-SPECIFIC TRAINING

Training available for...

• Junos Space
# JUNIPER NETWORKS CURRICULUM—JUNOS SPACE

**Notes:** Information current as of June 2018. 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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**Course**

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration</th>
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<tbody>
<tr>
<td>Junos Space—Network Director (JS-ND)</td>
<td>1 day</td>
</tr>
<tr>
<td>Junos Space—Security Director (JS-SD)</td>
<td>2 days</td>
</tr>
<tr>
<td>Junos Space Essentials (JSE)</td>
<td>3 Days</td>
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**Related Courses**

<table>
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<tr>
<th>Course</th>
<th>Duration</th>
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<tbody>
<tr>
<td>JA1500 Junos Space Appliance Installation and Initial Configuration</td>
<td>4 hours</td>
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<tr>
<td>Juniper Learning Bytes</td>
<td>Varies</td>
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