

Juniper Networks Education Services



Deploying networks that can securely and reliably deliver high-speed services is a must for setting your business apart from the competition. But how do you keep pace with rapidly changing technologies while operating efficiently and scaling to meet your business and customer requirements?

Juniper Networks Education Services offers training and certification that provide you with the technical detail and capabilities needed to ensure you are operating a successful network. We have Authorized Education Centers located around the world and certified instructors who are industry-recognized IP and security networking experts. Our classes consist of in-depth, hands-on training based on real-world experience.

- Are you interested in expanding your skill set?
- Do you want to optimize your network infrastructure?
- Would you like the choice of classroom, onsite, or Web-based learning?
- Do you want to maximize your organization's technology investment?

Education Services To Fit Your Needs

We work closely with you to provide the technical knowledge required to address your business requirements and optimize your network infrastructure. You can acquire this knowledge transfer in several forms.

- Open enrollment courses at a Juniper Networks Authorized Education Center
- Onsite training at your facility
- Web-based training
- Reference books and certification preparation guides

When you engage Juniper Networks Education Services, you are gaining the knowledge needed in today's market to keep up with the latest technological advances. This knowledge enables you to install, implement, configure, optimize, operate, and maintain Juniper Networks products.

Why Choose Juniper Networks Education Services?

We want to ensure that you can deploy and maintain an optimal network solution that meets your specific business objectives. Juniper offers a comprehensive suite of courses and certification to help you achieve your goals.

Leverage the training from Juniper Networks Education Services to obtain the following benefits:

- Recruit and retain top performers by offering employees the opportunity to build their knowledge and expertise
- Prepare your organization for the future in security and networking technologies
- Gain valuable skills that help your team optimize your company's network infrastructure
- Reduce deployment and maintenance expenditures by avoiding costly network modifications
- Maximize the use of features and functionalities within Juniper products for a better return on investment
- Acknowledge employees as experts in security and IP technologies through standardized testing

Curriculum

Our courses encompass a wide range of networking topics including installation, implementation, configuration, optimization, operation, and maintenance. We offer a complete suite of product training for all platforms, including:

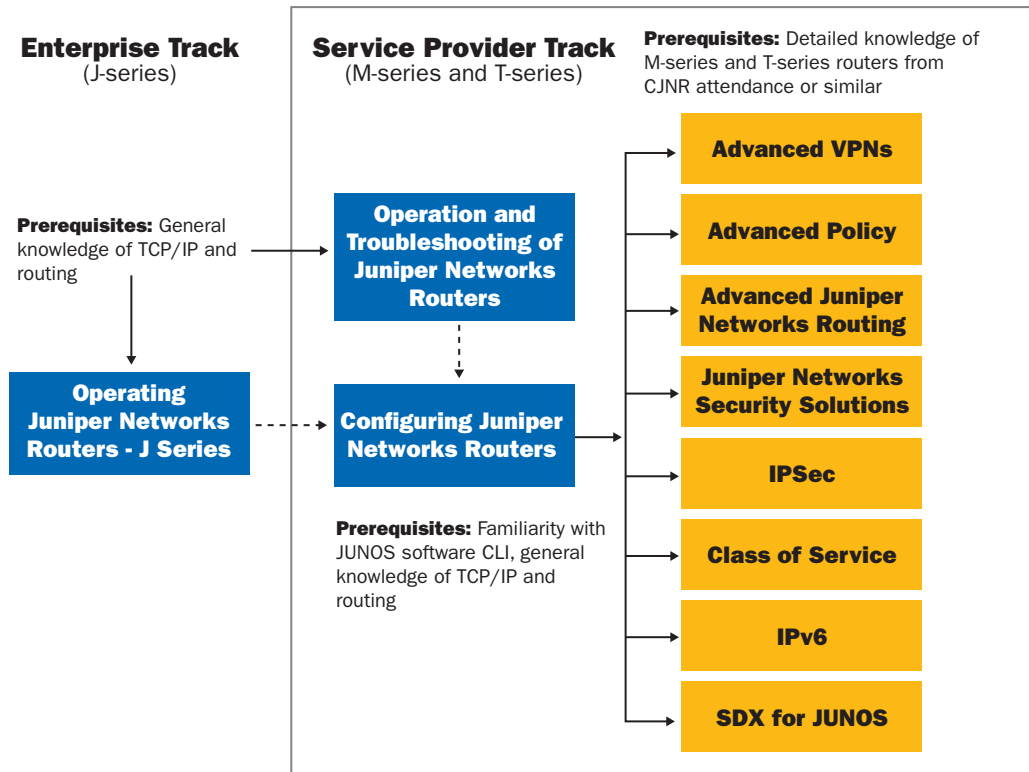
- **Networking Platforms**
 - M-series, T-series, and J-series routing platforms (JUNOS)
 - E-series routers (JUNOSe)
 - Application Acceleration Platforms
 - VF-series Products
- **Security Products**
 - Firewall / IPSec VPN
 - Secure Access SSL VPN
 - Intrusion Detection and Prevention
 - Funk Software

Networking Platforms Training

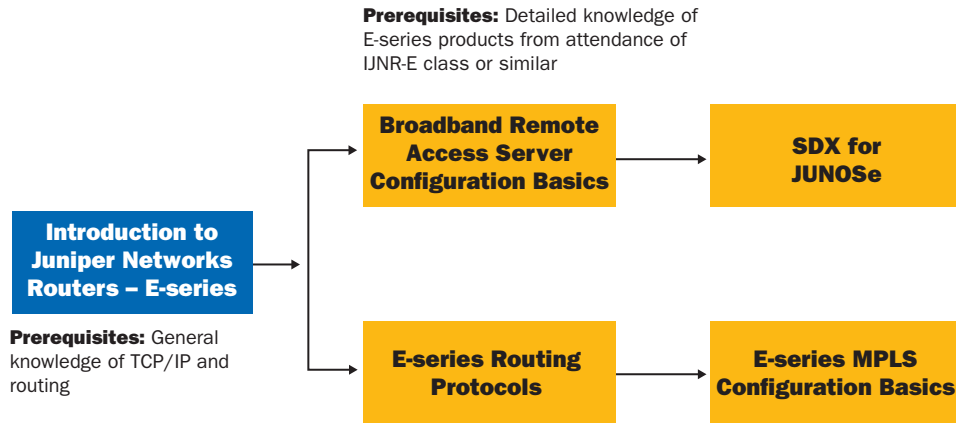
Juniper Networks product training for our networking platforms strengthens your network professionals’ troubleshooting, network planning, and configuration skills. Through a series of intermediate-level and advanced instructor-led classes, we offer a comprehensive curriculum on E-, J-, M-, and T-series platforms. These classes typically combine both lecture and labs, with significant time allocated for hands-on experience.

The following figures illustrate the suggested sequence of courses to maximize your expertise on Juniper Networks platforms and technologies.

Recommended Training Roadmap – J-, M-, and T-series Platforms



Recommended Training Roadmap – E-series Router

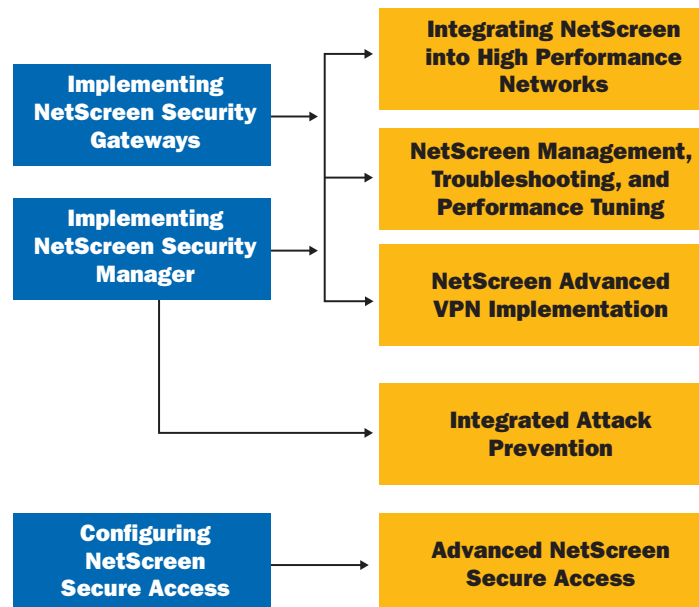


Security Product Training

Our portfolio of security training courses enables network security administrators and maintenance and design personnel to boost productivity, become more valuable to your organization, and help position themselves for a more rewarding career. Deeper knowledge of Juniper Networks security solutions also leads to faster problem resolution and improved return on investment for your company.

Courses include material on essential network security concepts and in-depth training on Juniper security products with technical labs and case studies to provide real-world experience. Practical hands-on lessons reinforce new skills and knowledge, ensuring they are retained. The full curriculum of education courses for IT professionals is offered globally through Juniper Networks Authorized Education Centers (JNAECs).

Recommended Training Roadmap – Security Products



Courses for Networking Platforms

Title	Code	Length	Description
J-, M- and T-series			
Operating Juniper Networks Routers – J-series	OJNR-J	3 days	An introductory-level course that focuses on installation, configuration, and operational analysis of J-series platforms.
Operation and Troubleshooting of Juniper Networks Routers – M/T-series	OTJNR-M	3 days	Focuses on the operation and troubleshooting of M-series and T-series platforms, including fault analysis procedures and troubleshooting techniques to enable rapid problem determination and resolution.
Configuring Juniper Networks Routers – M/T-series	CJNR-M	5 days	Focuses on initial platform configuration and the configuration and operational analysis of common protocols, including OSPF, IS-IS, BGP, RIP, multicast, and Multiprotocol Label Switching (MPLS).
Advanced Juniper Networks Routing	AJNR-M	5 days	This lab-intensive course provides an advanced look at popular routing and traffic engineering protocols supported on Juniper Networks M-series and T-series platforms.
Advanced VPNs	AVPN	3 days	An advanced course that focuses on designing, deploying, and troubleshooting Layer 2 and Layer 3 provider-provisioned virtual private network (VPN) solutions.
Advanced Policy	APOL	4 days	Provides a detailed examination of the JUNOS software routing policy and provides detailed discussions of load balancing, policy evaluation, and route creation, and examines how routing policies affect the interior gateway protocols as well as multicast routing.
IPv6	IPV6	1 day	Focuses on the Juniper Networks implementation of the next-generation IP suite, plus provides a substantial review of the operational characteristics of IPv6, including protocol design, packet headers, addressing, ICMPv6, autoconfiguration, RIPng, IS-IS, OSPF, BGP, and IPv6 transition methods.
Juniper Networks Security Solutions	JNSS	4 days	This lab-intensive, course illustrates current best security practices for the Juniper Networks M-series and T-series platforms in the context of numerous real-world networking scenarios.
Class of Service	COS	1 day	This training supplement details the CoS capabilities of M-series routers equipped with Enhanced FPCs, as well as differences between M-series, T-series, and Q-PIC CoS capabilities.
IPSec	JNIPSEC	1 day	Focuses on the configuration and troubleshooting of the Juniper Networks ES PIC which allows a Juniper Networks router to perform IPSec authentication and encryption at speeds of up to 800 Mbps.
SDX for JUNOS	SDXENT	4 days	This course provides a solid foundation to the Service Deployment System (SDX-300) application and how it operates in an enterprise environment.
E-series			
Introduction to Juniper Networks Routers – E-series	IJNR-E	1 day	This course provides an introduction to the E-series router platforms, and covers router features, applications, and hardware architecture.
Broadband Remote Access Server Configuration Basics	BRAS	4 days	Provides the skills needed to successfully install, configure, and troubleshoot the E-series platform to act as a broadband remote access server (B-RAS). The course covers the fundamentals of B-RAS, ATM, IP over ATM, bridged Ethernet, PPP over ATM, PPP over Ethernet, dynamic interfaces, L2TP, policy management as well as E-series router systems administration.
E-series Routing Protocols	ERP	3 days	This course is designed to provide the skills needed to be able to successfully install, configure, and troubleshoot the E-series router in a dedicated access network running various routing protocols.
MPLS Configuration Basics	MPLS	3 days	This course provides the skills needed to successfully install, configure, and troubleshoot E-series routers in a basic MPLS network. The course covers the fundamentals of MPLS, MPLS traffic engineering, and MPLS virtual private networks (VPNs).
SDX for JUNOSe	SDXR	5 days	This course is designed to provide a solid foundation to the Service Deployment System (SDX-300) when managing routers running JUNOSe software.
Application Acceleration			
Implementing the DX Application Acceleration Platform	IDX	2 days	Focuses on the configuration and implementation of the DX Application Acceleration Platform in a typical network environment and covers SSL Offload, Web Acceleration, Server Load Balancing, OverDrive Application Rules, High-Availability, and Troubleshooting.
Introduction to the WAN Acceleration Framework	IWX	4 days	Focuses on installation, configuration, and operational analysis of the WAN Acceleration (WX) and WAN Acceleration Cache (WXC) platforms.
VF-series			
Configuring and Operating VF-series Session Border Controllers	COVF	2 days	COVF covers network topologies and VF-series functionality and architecture as well as a review of operational guidelines, an advanced workshop for VF-series configuration and network connections, and troubleshooting.

Courses for Security Products

Title	Code	Length	Description
Security Products			
Implementing NetScreen Security Gateways	INSG	4 days	Focuses on configuration of the NetScreen Firewall/VPN products in a variety of situations, including basic administrative access, routing, firewall policies and policy options, attack prevention features, address translation, and VPN implementations.
Implementing NetScreen Security Manager	INSM	3 days	Discusses the implementation of NetScreen Security Manager (NSM) and covers server and domain administration, device specific configuration, templates, policies, and Statistical Report Server.
NetScreen Management, Troubleshooting and Performance Tuning	NMTP	2 days	Focuses on advanced management and troubleshooting of NetScreen Firewall/VPN products and covers how to configure multiple management options for NetScreen Firewall/VPN products, including SYSLOG and SNMP
NetScreen Advanced VPN Implementation	NAVI	2 days	This intermediate-level course focuses on the wide range of options available when configuring VPNs using NetScreen Firewall/VPN products.
Integrating NetScreen into High Performance Networks	INHNN	2 days	Students attending the course will learn to implement complex VSYS-based networks through detailed lectures and hands-on lab exercises.
Integrated Attack Prevention	IAP	1 day	Focuses on how to configure and effectively deploy the ISG IDP integrated products in a production network and covers IDP rulebase usage, dynamic/static attack groups, protocol support, policy creation, and attack investigation and tracking techniques.
Configuring NetScreen Secure Access	CNSA	2 days	Discusses the configuration of Secure Access (SA) products in a typical network environment and covers SSL access technologies, basic implementation, and configuration and management options.
Advanced NetScreen Secure Access	ANSA	2 days	This advanced course covers key topics including PKI support, additional authentication/authorization servers, complex policies, customization, and high availability.
Implementing IDP Products	NIDP	2 days	Discusses the configuration of Juniper IDP products in a typical network environment and covers the IDP Sensor and Management Server, the IDP Deployment Modes, policy creation, and attack investigation techniques.
Configuring Unified Access Control	CUAC	1 day	This course covers the configuration of the Unified Access Control solution and focuses on the Infranet Controller, the Infranet Enforcer, and the Infranet Agent.

How To Register

To view a complete listing of course offerings, descriptions, and Authorized Education Centers, please visit: www.juniper.net/training.
If you would like more information, please contact your Juniper Networks account manager, or send an e-mail to training@juniper.net.

Juniper Networks Technical Certification Program

Juniper Networks recognizes that customers need to qualify the competency of individuals who support their infrastructure of Juniper products. We offer the Juniper Networks Technical Certification Program (JNTCP) so that skilled individuals can demonstrate and validate their exceptional IP networking and security knowledge.

The JNTCP is a multi-tiered program that allows participants to demonstrate their competence with Juniper Networks technology through a combination of written proficiency exams and hands-on configuration and debugging lab-based exams. Tracks are currently offered for E-series, M/T-series, J-Series, Firewall/VPN, SSL VPN, and IDP platforms.

For more information, please visit www.juniper.net/certification.

Juniper Networks Customer Services

Juniper Networks Education Services is a key component in helping you transition, operate, and optimize your network. The full range of service elements within the three Juniper Networks Customer Services families – Transition, Operation, and Optimization – provides the flexibility to create your own, unique solution, allowing you to not just respond to market factors, but to anticipate them. Your Juniper Networks Customer Services portfolio is the key to transforming your network into value today and maintaining that value in the future.



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