Juniper Networks Technical Certification Program

Level	M/T-series	E-series	Enterprise Routing series	Firewall/VPN	IDP	SSL	WX	DX
Expert	●		●					
Professional	●	●						
Specialist	●	●	●	●				
Associate	●	●	●	●	●	●	●	●

The Juniper Networks Technical Certification Program (JNTCP) consists of eight platform-specific, multitiered tracks, each of which allows you to demonstrate competence with Juniper Networks technology. Successful candidates demonstrate a thorough understanding of Internet and security technologies and Juniper Networks platform configuration and troubleshooting skills. The separate tracks allow you to pursue specialized certifications, focusing on the platform type most pertinent to your job functions and experience.

By attaining Juniper Networks technical certification designations, you gain recognition for your exceptional technical competence. As an added benefit, individuals with JNCIE or JNCIP certification receive direct access to certified Juniper Technical Assistance Center (JTAC) engineers on priority 1 and 2 cases for any product under an active support contract. With this privilege, case resolution time is expedited by making the most of your certification knowledge while gaining access to senior JTAC engineers. To advance your career and better equip yourself to work with the latest solutions for security and IP networking infrastructure, get started on the path of JNTCP success today!

M/T-series Certification Track

Through a combination of written proficiency exams and hands-on configuration and debugging exams, the M/T-series certification track allows successful candidates to demonstrate a thorough understanding of Internet technology and Juniper Networks M/T-series routing platforms, and JUNOS software.

JNCIA **JNCIS** → **JNCIP** → **JNCIE**

Juniper Networks Technical Certification Program (JNTCP)
M-series Routers Track

Juniper Networks Certified Internet Associate (JNCIA-M)

Designed for experienced networking professionals with beginning to intermediate knowledge of the Juniper Networks M/T-series routers and of JUNOS software, this written exam verifies your basic understanding of Internet technology and related platform configuration and troubleshooting skills. JNCIA-M exam topics are based on the content of the Configuring Juniper Networks Routers—M/T-series (CJNR-M) instructor-led training course. This exam is not a prerequisite for the Specialist (JNCIS-M) exam.

Juniper Networks Certified Internet Specialist (JNCIS-M)

The JNCIS-M is designed for networking professionals with advanced knowledge of M- and T-series platforms and JUNOS software. The JNCIS-M exam tests for a wider and deeper level of knowledge than does the JNCIA-M exam. Sources of questions include the M-series, T-series, and JUNOS documentation sets, on-the-job product experience, as well as the understanding of Internet technologies and design principles considered to be common knowledge at the Specialist level. Passing the JNCIS-M exam is a prerequisite for attempting the JNCIP-M practical exam.

Juniper Networks Certified Internet Professional (JNCIP-M)

The one-day JNCIP-M exam is the first practical exam in the M/T-series certification track. This test validates your ability to configure and troubleshoot common routing scenarios. Passing the JNCIP-M exam is a requirement for attempting the expert-level practical exam (JNCIE-M).

Juniper Networks Certified Internet Expert (JNCIE-M)

Maintaining the industry standard for technical excellence established by the JNTCP, the JNCIE-M certification provides you the opportunity to distinguish yourself among the elite of the networking world. During the JNCIE exam, candidates will troubleshoot preconfigured networks, and configure advanced networking technologies and scenarios. The JNCIE is the highest level of certification in the M/T-series track.

E-series Certification Track

The Juniper Networks Technical Certification Program E-series certification track allows successful candidates to demonstrate a thorough understanding of Internet technology in general and Juniper Networks E-series routers in particular.

JNCIA **JNCIS** → **JNCIP**

Juniper Networks Technical Certification Program (JNTCP) E-series Routers Track

Juniper Networks Certified Internet Associate (JNCIA-E)

Designed for experienced networking professionals with beginning to intermediate knowledge of the Juniper Networks E-series routers and JUNOSe software, this written exam verifies your basic understanding of Internet technology and related platform configuration and troubleshooting skills. JNCIA-E exam topics are based on the content of the Introduction to Juniper Networks Routers—E-series (IJNR-E) and Broadband Remote Access Server Configuration (B-RAS) instructor-led training courses. This exam is not a prerequisite for the JNCIS-E exam.

Juniper Networks Certified Internet Specialist (JNCIS-E)

The JNCIS-E is designed for networking professionals with advanced knowledge of E-series routers and JUNOSe software. Sources of question content include the E-series routers documentation set and on-the-job product experience, as well as the understanding of Internet technologies and design principles considered to be common knowledge at the Specialist level. Passing the JNCIS-E exam is a prerequisite for attempting the JNCIP-E practical exam.

Juniper Networks Certified Internet Professional (JNCIP-E)

The JNCIP-E is a one-day practical exam designed to validate your ability to successfully build an ISP consisting of multiple E-series virtual routers. This certification confirms your practical and theoretical knowledge of basic and advanced Internet technologies as well as your ability to effectively apply that knowledge in a hands-on environment.

Enterprise Routing Certification Track

The Enterprise Routing certification track has courseware and certifications designed for experienced network professionals with beginner to advanced knowledge of Juniper Networks Enterprise Routing.

JNCIA **JNCIS** → **JNCIE**

Juniper Networks Technical Certification Program (JNTCP) Enterprise Routing Track

Juniper Networks Certified Internet Associate (JNCIA-ER)

The Enterprise Routing Associate exam is designed for experienced networking professionals with beginner-intermediate knowledge of

Juniper Networks JUNOS based routers and their deployment in the enterprise. JNCIA-ER exam topics are based on the content of the Operating Juniper Networks Routers in the Enterprise instructor led training course.

Juniper Networks Certified Internet Specialist (JNCIS-ER)

The JNCIS-ER is designed for networking professionals with advanced knowledge of, and experience with, Juniper Networks JUNOS based routers and their deployment in the enterprise. The JNCIS-ER exam tests for a wider and deeper level of knowledge than does the JNCIA-ER exam. Sources of question content include all Enterprise Routing training courses, the JUNOS documentation set, on-the-job product experience, as well as Internet technologies and design principles considered to be common knowledge at the Specialist level.

Juniper Networks Certified Internet Expert (JNCIE-ER)

The JNCIE-ER is designed to validate the networking professionals' ability to configure and troubleshoot the features of the J-series routers. This includes the service features such as IPsec, NAT, GRE in addition to the routing protocols BGP, OSPF and RIP. The candidate will have expert knowledge of the JUNOS Software CLI. Passing the JNCIS-ER exam is a requirement for attempting the JNCIE-ER practical exam.

Firewall/VPN Certification Track

The Firewall/VPN certification track is a two-tiered program that allows candidates to demonstrate competence with Juniper Networks Firewall/VPN products and the ScreenOS software.

JNCIA **JNCIS**

Juniper Networks Technical Certification Program (JNTCP) ScreenOS Firewall/VPN Track

Juniper Networks Certified Internet Associate (JNCIA-FW)

Designed for experienced networking professionals with beginning to intermediate knowledge of the Juniper Firewall/VPN products and the ScreenOS software, this written exam verifies your basic understanding of Internet and security technology and related device configuration. JNCIA-FW exam topics are based on the content of the Configuring Juniper Networks Firewall/IPSec VPN Products instructor-led training course. This exam is not a prerequisite for the JNCIS-FW certification.

Juniper Networks Certified Internet Specialist (JNCIS-FW)

The JNCIS-FW is designed for networking professionals with advanced knowledge of, and experience with, the Juniper Networks Firewall/VPN products and ScreenOS software. The JNCIS-FW exam tests for a wider and deeper level of knowledge than does the JNCIA-FW exam. Sources of questions include all ScreenOS training courses, the Firewall/VPN and ScreenOS documentation set, on-the-job product experience, as well Internet technologies and design principles considered to be common knowledge at the Specialist level.

IDP Certification Track

The IDP certification track allows participants to demonstrate competence with Juniper Networks Intrusion Detection and Prevention (IDP) products and their deployment.

JNCIA-IDP

Juniper Networks Certified Internet Associate (JNCIA-IDP)

The JNCIA-IDP exam is designed for experienced networking professionals with beginner to intermediate knowledge of the Juniper Networks IDP products and their deployment. JNCIA-IDP exam topics are based on the content of the Implementing Intrusion Detection & Prevention (IIDP) instructor-led training course.

SSL Certification Track

The JNTCP SSL certification track allows security professionals to demonstrate competence with Juniper Networks SSL VPN secure-access appliances, which is based on the Instant Virtual Extranet (IVE) platform, and their deployment.

JNCIA-SSL

Juniper Networks Certified Internet Associate (JNCIA-SSL)

The JNCIA-SSL exam is designed for experienced networking professionals with beginner to intermediate knowledge of the Juniper Networks SSL VPN appliances and their deployment. JNCIA-SSL exam topics are based on the content of the Configuring NetScreen Secure Access instructor-led training course.

WX Certification Track

The WX certification track allows participants to demonstrate competence with Juniper Networks WAN Acceleration platforms and their deployment.

JNCIA-WX

Juniper Networks Certified Internet Associate (JNCIA-WX)

JNCIA-WX is designed for experienced networking professionals with beginner to intermediate knowledge of the Juniper Networks WAN Acceleration (WX) and WAN Acceleration Cache (WXC) platforms and their deployment. JNCIA-WX exam topics are based on the content of the Introduction to WAN Acceleration Framework (IWX) instructor-led training course.

DX Certification Track

The JNTCP DX certification track allows participants to demonstrate competence with the Juniper Networks DX Application Acceleration platform and its deployment.

JNCIA-DX

### Juniper Networks Certified Internet Associate (JNCIA-DX)

The JNCIA-DX exam is designed for experienced networking professionals with beginner to intermediate knowledge of the Juniper Networks DX Application Acceleration platform and its deployment. JNCIA-DX exam topics are based on the content of the Implementing the DX Application Acceleration Platform instructor-led training course.

Juniper Networks Education Services

Juniper Networks Education Services and the technical certification program help ensure that you have the knowledge and skills to deploy and maintain cost-effective, high-performance networks, demonstrate your technical expertise, and keep you ahead of the technology curve. In addition to on-the-job product experience, Juniper Networks training courses are the best method for preparing to achieve JNTCP certification.

Juniper Networks Customer Services provides a comprehensive and flexible portfolio of industry-leading technical support, professional services, and education programs that help customers transform the business of networking by maximizing their network investments. The full range of service elements within our three Customer Services families—Transition, Operation, and Optimization—allows you to not just respond to market factors, but also to anticipate them.

For more information about Juniper Networks Education Services, please contact your account manager or visit www.juniper.net/training.
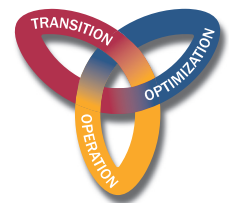
Certification Exams

Written exams (JNCIA/JNCIS) are delivered worldwide at Prometric testing centers. To register, visit Prometric's Web site at http://securereg3.prometric.com/ (or call 1-888-249-2567 in North America) to open an account and register for an exam.

Practical exams (JNCIP/JNCIE) are delivered at select Juniper Networks offices globally. To register, send an e-mail to Juniper Networks at certification-testreg@juniper.net. Write the desired exam code number in the subject field and indicate which testing location and month you prefer in the body of the message. Please include your Prometric testing ID. You will be contacted by e-mail with available dates at the requested testing location. For more information, visit www.juniper.net/certification.

Level	Exam Code	Type	Length	Location	Prerequisite Certification	Exam Topics
M/T-series Platforms						
Associate (JNCIA-M)	JN0-201	Written exam	60 questions, 90 minutes	Prometric	None	System operation, configuration, and troubleshooting; routing protocols: BGP, OSPF, IS-IS, and RIP; protocol independent routing properties, routing policy, MPLS, and multicast
Specialist (JNCIS-M)	JN0-303	Written exam	75 questions, 90 minutes	Prometric	None	Advanced system operation, configuration, and troubleshooting; routing protocols: BGP, OSPF, and IS-IS; routing policy, MPLS, multicast, router and network security, router and network management, VPNs, CoS, and IPv6
Professional (JNCIP-M)	CERT-JNCIP-M	Practical exam	8 hours	Select Juniper Networks testing centers	JNCIS-M	Advanced system operation, configuration, and troubleshooting; routing protocols: BGP, OSPF, IS-IS, and RIP; routing protocol redistribution, routing policy
Expert (JNCIE-M)	CERT-JNCIE-M	Practical exam	8 hours	Select Juniper Networks testing centers	JNCIP-M	Expert-level system operation, configuration, and troubleshooting; routing protocols: BGP, OSPF, IS-IS, and RIP; routing protocol redistribution, routing policy, firewall filters, CoS, MPLS, VPNs, IPv6, IPSec, and multicast
E-series Platforms						
Associate (JNCIA-E)	JN0-120	Written exam	60 questions, 90 minutes	Prometric	None	System operation, configuration, and troubleshooting, E-series virtual routers, B-RAS, routed and bridged RFC 1483, PPP over ATM, PPP over Ethernet, dynamic configuration mode, L2TP, policy management
Specialist (JNCIS-E)	JN0-130	Written exam	75 questions, 90 minutes	Prometric	None	Advanced system operation, configuration, and troubleshooting, interface configuration; routing protocols: RIP, OSPF, IS-IS, and BGP; MPLS, B-RAS; advanced topics including multicast, CoS, advanced policy management, and security
Professional (JNCIP-E)	CERT-JNCIP-E	Practical exam	8 hours	Select Juniper Networks testing centers	JNCIS-E	Advanced system operation, configuration, and troubleshooting, E-series virtual routers, B-RAS, L2TP, MPLS, VPNs, interface configuration; routing protocols: RIP, OSPF, IS-IS, and BGP; policy management
Enterprise Routing Platforms						
Associate JNCIA-ER	JN0-341	Written exam	60 questions, 90 minutes	Prometric	None	Enterprise Router Overview, Management, and Architecture; User Interface of Enterprise Routers, Installation and Initial Configuration, Monitor and Maintain J-series Platforms, Routing Protocols, Packet Filtering
Specialist JNCIS-ER	JN0-350	Written exam	75 questions, 90 minutes	Prometric	None	JUNOS Policy, BGP for Enterprises, IGP Conversion, Layer 2 Services, Layer 3 Services Overview, Stateful Firewall and NAT/PAT, IPSec VPNs, Class of Service, Branch Office Connectivity, Router Management
Expert JNCIE-ER	CERT-JNCIE-ER	Practical exam	8 hours	Selected Juniper Networks testing centers		IGP Conversion, Layer 2 Services, Layer 3 Services Overview, Stateful Firewall and NAT/PAT, IPSec VPNs, Class of Service, Branch Office Connectivity, Router Management
Firewall/VPN Platforms						
Associate (JNCIA-FWV)	JN0-521	Written exam	60 questions, 90 minutes	Prometric	None	Multilevel administration; routing, including dual-VR configuration; zone and policy configuration; address translation options; IPSec VPN technology and implementation
Specialist (JNCIS-FWV)	JN0-531	Written exam	75 questions, 90 minutes	Prometric	None	Device operations and packet flow; IPSec VPNs, including PKI, hub-and-spoke, transparent mode, dynamic, and overlapping address designs; NSRP; troubleshooting of policy, routing, and IPSec VPNs; traffic management; advanced management configurations; VLANs and virtual systems
IDP Track						
Associate (JNCIA-IDP)	JN0-541	Written exam	60 questions, 90 minutes	Prometric	None	IDP Concepts and Overview, IDP architecture, ESP (Enterprise Security Profiler), logs and logging, policies, rules and rulebase, reports, maintenance, and management
SSL Track						
Associate (JNCIA-SSL)	JN0-561	Written exam	60 questions, 90 minutes	Prometric	None	IVE technology, sign In pages and policy, user roles, authentication servers, realms and role mapping, resource policy, application support, and logging and troubleshooting

Level	Exam Code	Type	Length	Location	Prerequisite Certification	Exam Topics
Application Acceleration Platforms						
Associate (JNCIA-WX)	JN0-310	Written exam	45 questions, 90 minutes	Prometric	None	WX Framework overview; installation, configuration, operation and management, compression, route learning, QoS, packet flow scceleration, spplication flow scceleration, monitoring and reporting, WX Central Management System, and troubleshooting.
Associate (JNCIA-DX)	JN0-320	Written exam	60 questions, 90 minutes	Prometric	None	Basic DX operations, initial configuration, system management, clusters, SSL, redirectors and forwarders, SLB, securing applications through SSL, AppRules, 3G cache, GSLB overview, ActiveN, high-availability, and troubleshooting.

About Juniper

Juniper Networks develops purpose-built, high performance IP platforms that enable customers to support many different services and applications at scale. Service providers, enterprises, governments and research and education institutions rely on Juniper to deliver a portfolio of proven networking, security and application acceleration solutions that solve highly complex, fast-changing problems in the world's most demanding networks. Additional information can be found at www.juniper.net.

100067-009 Apr 2007