

Juniper Networks Technical Certification Program Quick Reference Guide

Demonstrate Your Competence with Juniper Networks Products

The Juniper Networks Technical Certification Program (JNTCP) enables participants to demonstrate competence in configuring and troubleshooting Juniper Networks networking and security products.

For more information, please visit <http://www.juniper.net/training/certification/>

The Juniper Networks Technical Certification Program (JNTCP) consists of platform-specific, multi-tiered tracks, which enable participants to demonstrate, through a combination of written proficiency exams and hands-on configuration and troubleshooting exams, competence with Juniper Networks technology. Successful candidates demonstrate thorough understanding of Internet technology and Juniper Networks platform configuration and troubleshooting skills.

Enterprise Track

Level	Enterprise Routing	Firewall/VPN	IDP	SSL	DX	WX	AC
Expert	✓						
Specialist	✓	✓					
Associate	✓	✓	✓	CY, 2008	✓	✓	✓

Enterprise Track Summary

Level *	Prerequisite Certification	Recommended Training	Exam Topics
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Enterprise Routing Track

Associate (JNCIA-ER)	None	<ul style="list-style-type: none"> Operating Juniper Networks Routers in the Enterprise 	This four-day instructor-led course is introductory-level and focuses on installation, configuration, and operational analysis of Juniper Networks routers in the enterprise environment.
Specialist (JNCIS-ER)	None	<ul style="list-style-type: none"> Advanced Juniper Networks Routers in the Enterprise 	This four-day instructor-led course is lab-intensive and provides an advanced look at routing and services configurations on Juniper Networks routers commonly used in the enterprise environment.
Expert (JNCIS-ER)	None	<ul style="list-style-type: none"> Advanced Juniper Networks Routers in the Enterprise 	May include: 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.

Firewall/VPN Routing Track

Associate (JNCIA-FWV)	None	<ul style="list-style-type: none"> Implementing ScreenOS Security Gateways (INSG) 	Multi-level administration; routing, including dual-VR configuration; zone and policy configuration; address translation options; IPSec VPN technology and implementation.
Specialist (JNCIS-FWV)	None	Above plus: <ul style="list-style-type: none"> ScreenOS Management, Troubleshooting, and Performance Tuning (NMTP) NetScreen Advanced VPN Implementation (NAVI) NetScreen Advanced VPN Implementation (NAVI) 	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 VPN; traffic management; advanced management configurations; VLANs and virtual systems.

Enterprise Track Summary

Level*	Prerequisite Certification	Recommended Training	Exam Topics
IDP Track			
Associate (JNCIA-IDP)	None	<ul style="list-style-type: none"> Implementing ScreenOS Intrusion Detection and Prevention Products (NIDP) 	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)	None	<ul style="list-style-type: none"> Configuring ScreenOS Secure Access (CNSA) 	IVE Technology, Sign In pages and Policy, User Roles, Authentication Servers, Realms and Role Mapping, Resource Policy, Application Support, and Logging and Troubleshooting.
DX Track			
Associate (JNCIA-DX)	None	<ul style="list-style-type: none"> IDX 	Basic DX Operations, Initial Configuration, System Management, Clusters, SSL, Redirectors and Forwarders, SLB, Securing Applications through SSL, AppRules, 3G Cache, GSLB Overview, ActiveN, HA, and Troubleshooting.
WX Track			
Associate (JNCIA-WX)	None	<ul style="list-style-type: none"> Introduction to the WAN Acceleration Framework (IWX) 	WX Framework Overview; Installation, Configuration, Operation and Management, Compression, Route Learning, QoS, Packet Flow Acceleration, Application Flow Acceleration, Monitoring and Reporting, WX Central Management System, and Troubleshooting.
AC Track			
Associate (JNCIA-AC)	None	<ul style="list-style-type: none"> Configuring Unified Access Control 	UAC Overview, Access Management Framework, and Endpoint Defense.

Service Provider Track

Level	M-/T-series	E-series
Expert	✓	
Professional	✓	✓
Specialist	✓	✓
Associate	✓	✓

Service Provider Track Summary

Level*	Prerequisite Certification	Recommended Training	Exam Topics
M-/T-series Track			
Associate (JNCIA-M)	None	<ul style="list-style-type: none"> Configuring Juniper Networks Routers (CJNR-M) 	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)	None	Above plus: <ul style="list-style-type: none"> Advanced Juniper Networks Routers Advanced Policy 	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.

Service Provider Track Summary

Level*	Prerequisite Certification	Recommended Training	Exam Topics
M-/T-series Track (cont'd)			
Professional (JNCIP-M)	JNCIS-M	Above plus: • Additional training as required	Advanced System Operation, Configuration, and Troubleshooting, Routing Protocols: BGP, OSPF, IS-IS, RIP, Routing Protocol Redistribution, Routing Policy.
Expert (JNCIE-M)	JNCIP-M	Above plus: • Additional training as required	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, and Multicast.
E-series Track			
Associate (JNCIA-E)	None	• Introduction to Juniper Networks Routers (IJNR-E) • BRAS Configuration Basics	System Operation, Configuration and Troubleshooting, E-series Virtual Routers, BRAS, Routed & Bridged 1483, PPP over ATM, PPP over Ethernet, Dynamic Configuration Mode, L2TP, Policy Management.
Specialist (JNCIS-E)	None	Above plus: • MPLS Configuration Basics • E-series Routing Protocols	Advanced System Operation, Configuration and Troubleshooting, Interface Configuration, Routing Protocols: RIP, OSPF, IS-IS, and BGP; MPLS, BRAS, Advanced Topics including: Multicast, CoS, Advanced Policy Management, and Security.
Professional (JNCIP-E)	JNCIS-E	Above plus: • Additional training as required	Advanced System Operation, Configuration and Troubleshooting, E-series Virtual Routers, BRAS, L2TP, MPLS, VPNs, Interface Configuration, Routing Protocols: RIP, OSPF, IS-IS, and BGP, and Policy Management.

* All Associate and Specialist level are written exams that are offered at Prometric test sites worldwide. To register, visit Prometric's website at <http://secureereg3.prometric.com/> (or call 1-888-249-2567 in North America) to open a testing account and register for an exam. Professional and Expert level certifications are practical exams that are offered at select Juniper Networks testing centers.

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About Juniper Networks

Juniper Networks, Inc. is the leader in high-performance networking. Juniper offers a high-performance network infrastructure that creates a responsive and trusted environment for accelerating the deployment of services and applications over a single network. This fuels high-performance businesses. Additional information can be found at www.juniper.net.

