





CISCO ROUTING AND SWITCHING CERTIFICATIONS COMPARISON



NIL
LEARNING

CERTIFICATION	YEARS OF RELATED EXPERIENCE	JOB ROLES	COVERED PRODUCTS AND TECHNOLOGIES	REQUIRED EXAMS	PREREQUISITES	RECOMMENDED TRAININGS
	0 - 2	Entry-level Network Engineers Help Desks Network Administrators	Hardware: Cisco Routers, Cisco Switches Software: Cisco IOS, IPv6, OSPF, VLANs, ACLs, WLAN, LAN and WAN2	100-101 ICND1	No prerequisites	Interconnecting Cisco Networking Devices Part 1 (ICND1)
	1 - 3	Network Specialists Network Administrators Network Support Engineers	Hardware: Cisco Routers, Cisco Switches Software: Cisco IOS, IPv6, IOS Licensing, OSPF, VLANs, ACLs, Etherchannel, EIGRP, SNM, Netflow, WLAN, LAN and WAN	200-120 CCNA <i>or</i> 100-101 ICND1 200-101 ICND2	No prerequisites	Interconnecting Cisco Networking Devices: Accelerated (CCNAX) <i>or</i> Interconnecting Cisco Networking Devices Part 1 (ICND1) Interconnecting Cisco Networking Devices Part 2 (ICND2)
	3 - 5	Network Engineers System Engineers Network Support Specialists Network Administrators Network Consultants System Integrators	Hardware: Cisco Routers, Cisco Switches Software: Cisco IOS, eBGP, EIGRP (IPv6), OSPF v3, QoS, Layer 2, IPv4, Layer 3, IPv6, RIP v2 and RIP ng, Advanced IP Addressing and Routing , WLAN, LAN and WAN, Configuration of secure routing Solutions, DMVPN (Dynamic Multipoint VPN), Cisco StackWise, VSS (Virtual Switch Services)	642-902 ROUTE 642-813 SWITCH 642-832 TSHOOT last day to test January 30, 2015 <i>or</i> new CCNP Routing & Switching Exams: 300-101 ROUTE 300-113 SWITCH 300-135 TSHOOT	Valid Cisco CCNA Routing and Switching certification or any Cisco CCIE certification can act as a prerequisite	Implementing Cisco IP Routing (ROUTE) Implementing Cisco Switched Networks (SWITCH) Troubleshooting and Maintaining Cisco IP Networks (TSHOOT)
	Minimum 7 years of job experience	Senior Network Engineers	Hardware: Cisco Routers, Cisco Switches Software: Cisco IOS, eBGP, EIGRP, OSPF, QoS, Layer 2, IPv4, Layer 3, IPv6, MPLS, Multicast, HSRP, VRRP, NTP, DHCP, Advanced IP Addressing and Routing, WLAN, LAN and WAN, Configuration of secure routing Solutions, Troubleshoot and optimize network and evaluate proposed changes	400-001 CCIE R&S Written Exam CCIE R&S Lab Exam	There are no formal prerequisites for CCIE R&S	Cisco 360 Learning Program for CCIE R&S