REXTON IT

Network Engineer

Become a Certified Engineer

"Master Technology, Master Your Future!"

REXTON IT SOLUTIONS

C-28, Sector-2 , Noida-201301

+91 9999-0511-50

Successful future in the IT industry

- Cloud Computing Expertise
- Cyber Security Skills
- DevOps and Automation
- Networking and Security
- Data Science and Analytics

Set 2 Milestones

Training Program Goal

Rexton IT offers specialized network engineer training designed to equip professionals with the skills needed to excel in modern network environments. This program focuses on key technologies such as routing, switching, network security, and wireless networking. It covers both theoretical knowledge and hands-on experience with industry-standard tools and platforms like Cisco, Palo Alto, and Juniper.

The training includes real-world scenarios to help engineers troubleshoot and optimize network performance. Additionally, Rexton IT provides guidance on certifications like CCNA, CCNP, and Palo Alto certifications, ensuring participants are well-prepared for both the job market and career advancement in network engineering.

Learn From Certified

Learn One to One

24X7 Access Support

Get a Successful Career–

- Here are some strategies to enhance your IT career:

- focused on building a successful career in IT!

3 in 1 Combo–
CCNA+CCNP+PALOALTO

Three Powerful Certifications

CCNA

Network Engineer

CCNP

Network Administrator

PALOALTO

Network Security Engineer

The Rexton CCNA, CCNP, and Palo Alto Combo Course is designed for IT professionals seeking to enhance their skills in networking, security, and advanced network management. This course combines three powerful certifications, providing a comprehensive learning path that covers a wide range of essential technologies, from foundational networking to advanced security practices.

Boost Your Skills

Learn Advance

Why Training with Rexton?

We want to make –positive impact

- **Industry Expertise:** Courses led by experienced professionals.
- **Customized Learning:** focusing on key skills relevant to career goals.
- **Hands-On Experience:** Practical labs, scenario-based learning.
- **Recorded Sessions:** Continued access to resources and instructor assistance.
- **Job Opportunities:** During the training, helping expand career and job options.
- **Certifications Pass Guarantee:** Training that prepares participants for globally.
- **Flexible Learning:** Various modes of training – online, classroom, or hybrid formats.

REXTON IT

Career Solution- Steps

ONLY in 90 Days

Career Transformation with-in 90 Days

JOIN TRAINING

our career expert help to join the training.

LEARN ADVANCE

Learn advance training, and get real time experience.

INTERVIEW

We will conduct your interview in training period.

GET JOB

You will get job in the training duration

REXTON IT

Unlimited-Access

- Practical Training
- Live Training
- Recording Access
- Unlimited Revision
- Unlimited Interview
- Lab Access@24

Rexton IT offers unlimited interview preparation and recording sessions, helping professionals ace their job applications with confidence. Our comprehensive service allows users to participate in as many mock interviews as needed, honing their communication skills and refining answers to potential questions. Each session is recorded, providing valuable feedback for improvement. Whether you're a seasoned professional or just starting, Rexton IT's expert coaching will boost your interview performance, ensuring you're fully prepared for any scenario. Get personalized, real-time insights to strengthen your interview techniques and increase your chances of landing your dream job!

CCNA Enterprise 200-301

Network Fundamentals:
- Overview of networking concepts
- TCP/IP model and protocols
- IPv4 and IPv6 addressing and subnetting
- Network topology architectures (star, mesh, hybrid, etc.)

Network Access:
- Switch operations and configurations
- VLANs and trunking
- Inter-VLAN routing
- Spanning Tree Protocol (STP)
- Wireless LANs and access points

IP Connectivity:
- Routing concepts
- Static and dynamic routing
- Routing protocols such as OSPF, EIGRP, and BGP
- Configuring and troubleshooting router

IP Services:
- Network address translation (NAT)
- Dynamic Host Configuration Protocol
- Quality of Service (QoS)
- Network Time Protocol (NTP)
- DNS and SNMP

Security Fundamentals:
- Network security concepts and best practices
- Secure network device access
- Implementing access control lists (ACLs)
- VPN and remote access technologies

Automation and Programmability:
- Introduction to network automation
- Overview of programming concepts related to networking
- Using APIs and controllers
- Understanding and using tools like Cisco DNA Center and SD-WAN

Network Assurance:
- Monitoring and managing network operations
- Network performance and fault management
- Network troubleshooting methodologies

Network Design:
- Network design principles and considerations
- Enterprise network architecture
- Redundancy and high availability

Virtualization:
- Network virtualization concepts
- Implementing and managing virtualized network devices

WAN Technologies:
- Wide Area Network (WAN) concepts and technologies
- MPLS, Metro Ethernet, and broadband technologies
- WAN configuration and troubleshooting

CCNP 350-401 ENCOR

The CCNP Enterprise certification focuses on advanced skills required for enterprise network solutions. Here's the key topics covered in the course:

1.0 Architecture:

- 1.1 Explain the different design principles used in an enterprise network
  - 1.1.a High-level enterprise network design such as 2-tier, 3-tier, fabric, and cloud
  - 1.1.b High availability techniques such as redundancy, FHRP, and SSO
- 1.2 Describe wireless network design principles
  - 1.2.a Wireless deployment models (centralized, distributed, controller-less, controller-based, cloud, remote branch)
  - 1.2.b Location services in a WLAN design
  - 1.2.c Client density
- 1.3 Explain the working principles of the Cisco SD-WAN solution
  - 1.3.a SD-WAN control and data planes elements
  - 1.3.b Benefits and limitations of SD-WAN solutions
- 1.4 Explain the working principles of the Cisco SD-Access solution
  - 1.4.a SD-Access control and data planes elements
  - 1.4.b Traditional campus interoperating with SD-Access
- 1.5 Interpret wired and wireless QoS configurations
  - 1.5.a QoS components
  - 1.5.b QoS policy
- 1.6 Describe hardware and software switching mechanisms such as CEF, CAM, TCAM, FIB, RIB, and adjacency tables

2.0 Virtualization

- 2.1 Describe device virtualization technologies
  - 2.1.a Hypervisor type 1 and 2
  - 2.1.b Virtual machine
  - 2.1.c Virtual switching
- 2.2 Configure and verify data path virtualization technologies
  - 2.2.a VRF
  - 2.2.b GRE and IPsec tunneling
- 2.3 Describe network virtualization concepts
  - 2.3.a LISP
  - 2.3.b VXLAN

3.0 Infrastructure

- 3.1 Layer 2
- 3.1.a Troubleshoot static and dynamic 802.1q trunking protocols
- 3.1.b Troubleshoot static and dynamic EtherChannels
- 3.1.c Configure and verify common Spanning Tree Protocols (RSTP, MST) and Spanning Tree enhancements such as root guard and BPDU guard
- 3.2 Layer 3
- 3.2.a Compare routing concepts of EIGRP and OSPF (advanced distance vector vs. link state, load balancing, path selection, path operations, metrics, and area types)
- 3.2.b Configure simple OSPFv2/v3 environments, including multiple normal areas, summarization, and filtering (neighbor adjacency, point-to-point, and broadcast network types, and passive-interface)
- 3.2.c Configure and verify eBGP between directly connected neighbors (best path selection algorithm and neighbor relationships)
- 3.2.d Describe policy-based routing
- 3.3 Wireless
- 3.3.a Describe Layer 1 concepts, such as RF power, RSSI, SNR, interference, noise, bands, channels, and wireless client devices capabilities
- 3.3.b Describe AP modes and antenna types
- 3.3.c Describe access point discovery and join process (discovery algorithms, WLC selection process)
- 3.3.d Describe the main principles and use cases for Layer 2 and Layer 3 roaming
- 3.3.e Troubleshoot WLAN configuration and wireless client connectivity issues using GUI only
- 3.3.f Describe wireless segmentation with groups, profiles, and tags
- 3.4 IP Services
- 3.4.a Interpret network time protocol configurations such as NTP and PTP
- 3.4.b Configure NAT/PAT
- 3.4.c Configure first hop redundancy protocols, such as HSRP, VRRP
- 3.4.d Describe multicast protocols, such as RPF check, PIM and IGMP v2/v3

4.0 Network Assurance

- 4.1 Diagnose network problems using tools such as debugs, conditional debugs, traceroute, ping, SNMP, and syslog
- 4.2 Configure and verify Flexible NetFlow
- 4.3 Configure SPAN/RSPAN/ERSPAN
- 4.4 Configure and verify IPSLA
- 4.5 Describe Cisco DNA Center workflows to apply network configuration, monitoring, and management
- 4.6 Configure and verify NETCONF and RESTCONF

5.0 Security

- 5.1 Configure and verify device access control
- 5.1.a Lines and local user authentication
- 5.1.b Authentication and authorization using AAA
- 5.2 Configure and verify infrastructure security features
- 5.2.a ACLs
- 5.2.b CoPP
- 5.3 Describe REST API security
- 5.4 Configure and verify wireless security features
- 5.4.a 802.1X
- 5.4.b WebAuth
- 5.4.c PSK
- 5.4.d EAPOL (4-way handshake)
- 5.5 Describe the components of network security design
- 5.5.a Threat defense
- 5.5.b Endpoint security
- 5.5.c Next-generation firewall
- 5.5.d TrustSec and MACsec
- 5.5.e Network access control with 802.1X, MAB, and WebAuth

6.0 Automation

- 6.1 Interpret basic Python components and scripts
- 6.2 Construct valid JSON-encoded files
- 6.3 Describe the high-level principles and benefits of a data modeling language, such as YANG
- 6.4 Describe APIs for Cisco DNA Center and vManage
- 6.5 Interpret REST API response codes and results in payload using Cisco DNA Center and RESTCONF
- 6.6 Construct an EEM applet to automate configuration, troubleshooting, or data collection
- 6.7 Compare agent vs. agentless orchestration tools, such as Chef, Puppet, Ansible, and SaltStack

CCNP 300-410 ENARSI

The CCNP Enterprise certification focuses on advanced skills required for enterprise network solutions. Here's the key topics covered in the course:

1.0 Layer 3 Technologies

- 1.1 Troubleshoot administrative distance (all routing protocols)
- 1.2 Troubleshoot route map for any routing protocol (attributes, tagging, filtering)
- 1.3 Troubleshoot loop prevention mechanisms (filtering, tagging, split horizon, route poisoning)
- 1.4 Troubleshoot redistribution between any routing protocols or routing sources
- 1.5 Troubleshoot manual and auto-summarization with any routing protocol
- 1.6 Configure and verify policy-based routing
- 1.7 Configure and verify VRF-Lite
- 1.8 Describe Bidirectional Forwarding Detection
- 1.9 Troubleshoot EIGRP (classic and named mode; VRF and global)
- 1.9.a Address families (IPv4, IPv6)
- 1.9.b Neighbor relationship and authentication
- 1.9.c Loop-free path selections (RD, FD, FC, successor, feasible successor, stuck in active)
- 1.9.d Stubs
- 1.9.e Load balancing (equal and unequal cost)
- 1.9.f Metrics
- 1.10 Troubleshoot OSPF (v2/v3)
- 1.10.a Address families (IPv4, IPv6)
- 1.10.b Neighbor relationship and authentication
- 1.10.c Network types, area types, and router types
- 1.10.c.i Point-to-point, multipoint, broadcast, nonbroadcast
- 1.10.c.ii Area type: backbone, normal, transit, stub, NSSA, totally stub
- 1.10.c.iii Internal router, backbone router, ABR, ASBR
- 1.10.c.iv Virtual link
- 1.10.d Path preference
- 1.11 Troubleshoot BGP (Internal and External, unicast, and VRF-Lite)
- 1.11.a Address families (IPv4, IPv6)
- 1.11.b Neighbor relationship and authentication (next-hop, mulithop, 4-byte AS, private AS, route refresh, synchronization, operation, peer group, states and timers)
- 1.11.c Path preference (attributes and best-path)
- 1.11.d Route reflector (excluding multiple route reflectors, confederations, dynamic peer)
- 1.11.e Policies (inbound/outbound filtering, path manipulation)

2.0 VPN Technologies

- 2.1 Describe MPLS operations (LSR, LDP, label switching, LSP)
- 2.2 Describe MPLS Layer 3 VPN
- 2.3 Configure and verify DMVPN (single hub)
- 2.3.a GRE/mGRE
- 2.3.b NHRP
- 2.3.c IPsec
- 2.3.d Dynamic neighbor
- 2.3.e Spoke-to-spoke

3.0 Infrastructure Security

- 3.1 Troubleshoot device security using IOS AAA (TACACS+, RADIUS, local database)
- 3.2 Troubleshoot router security features
  - 3.2.a IPv4 access control lists (standard, extended, time-based)
  - 3.2.b IPv6 traffic filter
  - 3.2.c Unicast reverse path forwarding (uRPF)
- 3.3 Troubleshoot control plane policing (CoPP) (Telnet, SSH, HTTP(S), SNMP, EIGRP, OSPF, BGP)
- 3.4 Describe IPv6 First Hop security features (RA guard, DHCP guard, binding table, ND inspection/snooping, source guard)

4.0 Infrastructure Services

- 4.1 Troubleshoot device management
  - 4.1.a Console and VTY
  - 4.1.b Telnet, HTTP, HTTPS, SSH, SCP
  - 4.1.c (T)FTP
- 4.2 Troubleshoot SNMP (v2c, v3)
- 4.3 Troubleshoot network problems using logging (local, syslog, debugs, conditional debugs, timestamps)
- 4.4 Troubleshoot IPv4 and IPv6 DHCP (DHCP client, IOS DHCP server, DHCP relay, DHCP options)
- 4.5 Troubleshoot network performance issues using IP SLA (jitter, tracking objects, delay, connectivity)
- 4.6 Troubleshoot NetFlow (v5, v9, flexible NetFlow)
- 4.7 Troubleshoot network problems using Cisco DNA Center assurance (connectivity, monitoring, device health, network health)

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Learn Advance-Firewall

PALOALTO Firewall

CHECK POINT Firewall

FORTIGATE Firewall

CISO FTD Firewall

SD-WAN

CISSP

REXTON IT

Combo–Training Offer

Combo Training

- CCNA + CCNP
- CCNA + CCNP + PALOALTO (PCNSA)
- CCNA + CCNP + CHECKPOINT (CCSA)
- CCNA+ CCNP + F5 (LTM)
- CCNA+ CCNP + PCNSA+F5 (LTM)
- CCNA + CCNP + CLOUD SECURITY (AWS+AZURE)
- CCNA + CCNP + CYBER SECURITY
- PALOALTO (PCNSA) + CLOUD SECURITY (AWS+AZURE)

REXTON IT

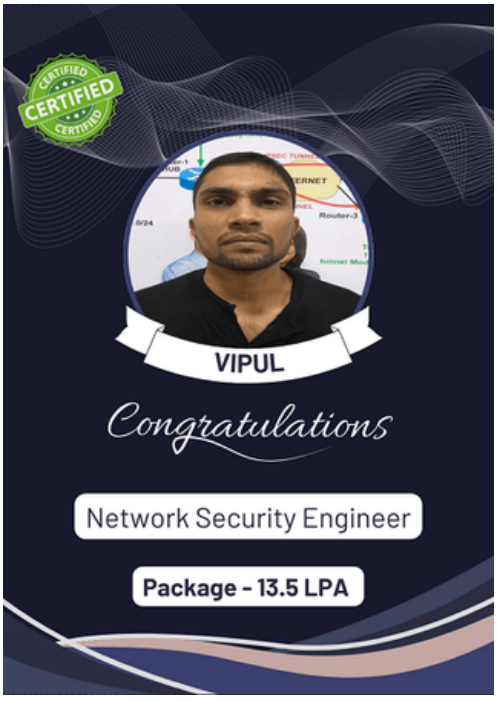
Certification Pass– Guaranteed

Training Duration and Exam Cost

Training	Training Duration	Exam Cost
CCNA	45 Days	300$
CCNP	60 Days	400$
PALOALTO	40 Hours	155$
FORTINET	40 Hours	400$
CHECK POINT	40 Hours	250$

REXTON IT

Successful-Journeys



REXTON IT

Server and Cloud-Certification

Learn more with us !

REXTON IT Solutions

www.rextonitsolutions.com

contact@rextonitsolutions.com

9999-05-1150

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Thank You

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C-28, Sector-2 , Noida-201301

+91 9999-0511-50