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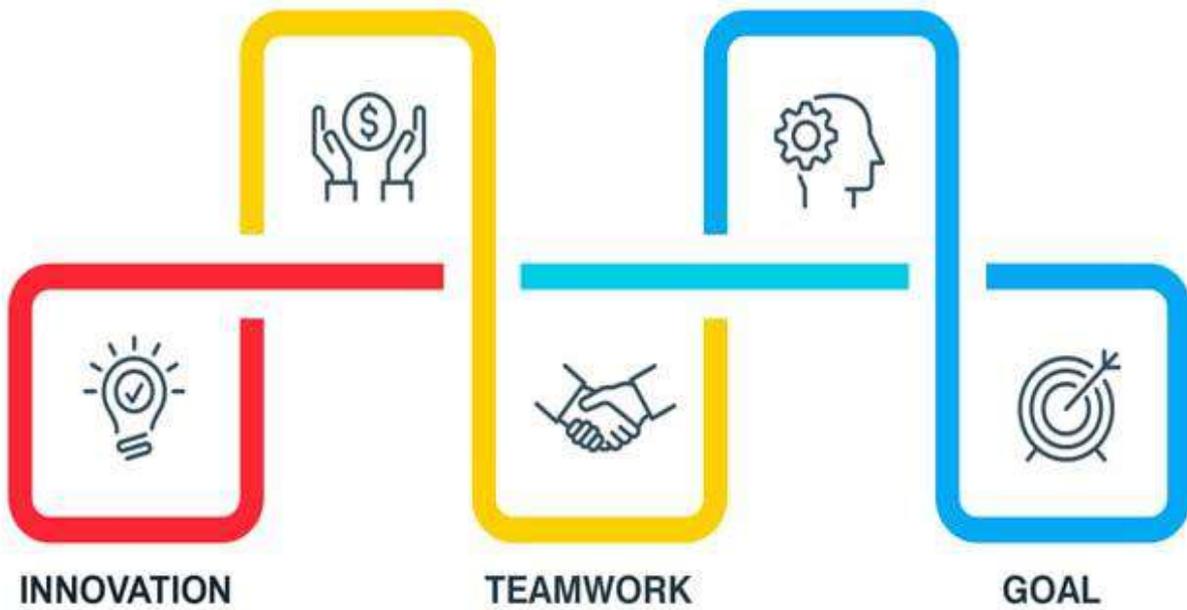
Team Work and Strategy

Good Team , Best Results



CAREER

STRATEGY



1 1 to 1 TRAINING

4 INTERVIEW PREPARATION

2 CERTIFY TRAINERS

5 CERTIFICATION GURANTEE

3 LIVE PROJECT

6 PLACEMENT GURANTEE

CCNP ENTERPRISE TRAINING MODULE

Cisco Certified Network Professional

LIVE PROJECT TRAINING

Implementing Cisco Enterprise Advanced Routing and Services v1.0 (300-410)

The following topics are general guidelines for the content likely to be included on the exam. However, other related topics may also appear on any specific delivery of the exam. To better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

• 1.0 Layer 3 Technologies

- Troubleshoot administrative distance (all routing protocols)
- Troubleshoot route map for any routing protocol (attributes, tagging, filtering)
- Troubleshoot loop prevention mechanisms (filtering, tagging, split horizon, route poisoning)
- Troubleshoot redistribution between any routing protocols or routing sources
- Troubleshoot manual and auto-summarization with any routing protocol
- Configure and verify policy-based routing
- Configure and verify VRF-Lite
- Describe Bidirectional Forwarding Detection
- Troubleshoot EIGRP (classic and named mode)
 - Address families (IPv4, IPv6)
 - Neighbor relationship and authentication
 - Loop-free path selections (RD, FD, FC, successor, feasible successor, stuck in active)
 - Stubs
 - Load balancing (equal and unequal cost)
 - Metrics
- Troubleshoot OSPF (v2/v3)

- Address families (IPv4, IPv6)
- Neighbor relationship and authentication
- Network types, area types, and router types
- (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
- Path preference

Troubleshoot BGP (Internal and External)

- Address families (IPv4, IPv6)
- Neighbor relationship and authentication (next-hop, mulithop, 4-byte AS, private AS, route refresh, synchronization, operation, peer group, states and timers)
- Path preference (attributes and best-path)
- Route reflector (excluding multiple route reflectors, confederations, dynamic peer)
- Policies (inbound/outbound filtering, path manipulation)

● 2.0 VPN Technologies

 Describe MPLS operations (LSR, LDP, label switching, LSP)

 Describe MPLS Layer 3 VPN

 Configure and verify DMVPN (single hub)

 GRE/mGRE

 NHRP

 IPsec

 Dynamic neighbor

 Spoke-to-spoke

• 3.0 Infrastructure Security

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

• 4.0 Infrastructure Services

- 📌 Troubleshoot device management
- 📌 Console and VTY
- 📌 Telnet, HTTP, HTTPS, SSH, SCP
- 📌 TFTP
- 📌 Troubleshoot SNMP (v2c, v3)
- 📌 Troubleshoot network problems using logging (local, syslog, debugs, conditional debugs, timestamps)
- 📌 Troubleshoot IPv4 and IPv6 DHCP (DHCP client, IOS DHCP server, DHCP relay, DHCP options)
- 📌 Troubleshoot network performance issues using IP SLA (jitter, tracking objects, delay, connectivity)
- 📌 Troubleshoot NetFlow (v5, v9, flexible NetFlow)
- 📌 Troubleshoot network problems using Cisco DNA Center assurance (connectivity, monitoring, device health, network health)

CCNP ENTERPRISE TRAINING MODULE

Cisco Certified Network Professional

LIVE PROJECT TRAINING

Implementing Cisco Enterprise Network Core Technologies v1.0 (350-401)

The following topics are general guidelines for the content likely to be included on the exam. However, other related topics may also appear on any specific delivery of the exam. To better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

• 1.0 Architecture

-  Explain the different design principles used in an enterprise network
-  Enterprise network design such as Tier 2, Tier 3, and Fabric Capacity planning
-  High availability techniques such as redundancy, FHRP, and SSO
-  Analyze design principles of a WLAN deployment
-  Wireless deployment models (centralized, distributed, controller-less, controller based, cloud, remote branch)
-  Location services in a WLAN design
-  Differentiate between on-premises and cloud infrastructure deployments
-  Explain the working principles of the Cisco SD-WAN solution
 - SD-WAN control and data planes elements
 - Traditional WAN and SD-WAN solutions
-  Explain the working principles of the Cisco SD-Access solution
 - SD-Access control and data planes elements
 - Traditional campus interoperating with SD-Access
-  Describe concepts of wired and wireless QoS
 - QoS components
 - QoS policy
-  Differentiate hardware and software switching mechanisms

- Process and CEF
- MAC address table and TCAM
- FIB vs. RIB

• 2.0 Virtualization

- 📌 Describe device virtualization technologies
- 📌 Hypervisor type 1 and 2
- 📌 Virtual machine
- 📌 Virtual switching
- 📌 Configure and verify data path virtualization technologies
- 📌 VRF
- 📌 GRE and IPsec tunneling
- 📌 Describe network virtualization concepts
- 📌 LISP
- 📌 VXLAN

• 3.0 Infrastructure

- 📌 Layer 2
- 📌 Troubleshoot static and dynamic 802.1q trunking protocols
- 📌 Troubleshoot static and dynamic EtherChannels
- 📌 Configure and verify common Spanning Tree Protocols (RSTP and MST)
- 📌 Layer 3
- 📌 Compare routing concepts of EIGRP and OSPF (advanced distance vector vs. linked state, load balancing, path selection, path operations, metrics)
- 📌 Configure and verify simple OSPF environments, including multiple normal areas, summarization, and filtering (neighbor adjacency, point-to-point and broadcast network types, and passive interface)
- 📌 Configure and verify eBGP between directly connected neighbors (best path selection algorithm and neighbor relationships)
- 📌 Wireless

- 📌 Describe Layer 1 concepts, such as RF power, RSSI, SNR, interference noise, band and channels, and wireless client devices capabilities
- 📌 Describe AP modes and antenna types
- 📌 Describe access point discovery and join process (discovery algorithms, WLC selection process)
- 📌 Describe the main principles and use cases for Layer 2 and Layer 3 roaming
- 📌 Troubleshoot WLAN configuration and wireless client connectivity issues
- 📌 IP Services
- 📌 Describe Network Time Protocol (NTP)
- 📌 Configure and verify NAT/PAT
- 📌 Configure first hop redundancy protocols, such as HSRP and VRRP
- 📌 Describe multicast protocols, such as PIM and IGMP v2/v3

● 4.0 Network Assurance

- 📌 Diagnose network problems using tools such as debugs, conditional debugs, trace route, ping, SNMP, and syslog
- 📌 Configure and verify device monitoring using syslog for remote logging
- 📌 Configure and verify NetFlow and Flexible NetFlow
- 📌 Configure and verify SPAN/RSPAN/ERSPAN
- 📌 Configure and verify IPSLA
- 📌 Describe Cisco DNA Center workflows to apply network configuration, monitoring, and management
- 📌 Configure and verify NETCONF and RESTCONF

● 5.0 Security

- 📌 Configure and verify device access control
- 📌 Lines and password protection
- 📌 Authentication and authorization using AAA
- 📌 Configure and verify infrastructure security features

- 📌 ACLs
- 📌 CoPP
- 📌 Describe REST API security
- 📌 Configure and verify wireless security features
- 📌 EAP
- 📌 WebAuth
- 📌 PSK
- 📌 Describe the components of network security design
- 📌 Threat defense
- 📌 Endpoint security
- 📌 Next-generation firewall
- 📌 TrustSec, MACsec
- 📌 Network access control with 802.1X, MAB, and WebAuth

• 6.0 Automation

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

Clients Feedback and Customer Satisfaction



Client's Feedback



16-LPA



I found the right guide in form of Rexton IT Solutions to attain my goal. They allow me to scale my capability and it feels great to know that you are ready to solve all the IT solutions with ease. I

Gaurav
Administrator

Client's Feedback



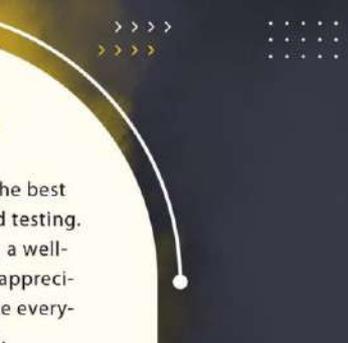
11-LPA



I was looking for a course that can pump my career and help me in getting the highest position in a company on the basis of skills I possess. I came across Rexton IT Solutions and immediately joined it. The positive vibes I got from the trainers motivated me to achieve something in my professional life.

Amit
Network Administrator

Client's Feedback



9-LPA



Rexton IT Solutions offer the best training, paper modules and testing. This helped me get a job in a well-recognized organization. I appreciate and thank them to make everything simple for me.

Pooja
Network Engineer

Client's Feedback



11.5-LPA



I am happy to get the opportunity to talk about the Rexton IT Solutions. My honest views regarding the training center are that no one offers such kind of environment. The trainers are well-versed with the courses and update the students with latest technologies time-to-time.

Mirdul
System Admin

Client's Feedback

Contact us!

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Thank You