

CCNA

Learn Advance

Become a Certified Network Engineer



"Master Technology, Master Your Future!"

REXTON IT SOLUTIONS

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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

Cisco Certified Network Associate (CCNA 200-301) TRAINING

Networking Fundamental

Network & Networking

LAN, WAN, CAN, SAN, PAN, MAN, WLAN

OSI & TCP/IP models

IPv4/IPv6, Subnetting

Ports & protocols

Networking Devices

HUB, Switch, Router, Firewall, Access Point, Modem, Repeater, LB

Network Topologies

Logical vs Physical Topology

Bus, Star, Ring, Mesh, Tree, Hybrid

Transmission Media

Twisted Pair (STP/UTP)– Cat5e, Cat6, Cat6a, Cat7

Coaxial Cable

Fiber Optic

Wi-Fi

Microwave

Network Troubleshooting

Connectivity problems

DNS/DHCP issues, IP conflicts

Tools: ping, tracer, ipconfig, nslookup, Wireshark

Network Access

Cisco IOS basics

Switch configuration, VLANs, Access & trunk ports, 802.1Q, Inter-VLAN connectivity

STP/RSTP, EtherChannel, Wireless LAN fundamentals

IP Connectivity

Routing concepts, Default routes, Static and Dynamic

Routing tables, RIP, EIGRP, OSPF IPv4/IPv6 routing

First-hop redundancy concepts

IP Services

DHCP, DNS, NAT/PAT, NTP, SNMP, Syslog, QoS basics, SSH, TFTP/FTP

Security Fundamentals

Security concepts and threats

Password protection

Device hardening, ACLs, Port security, DHCP snooping

Dynamic ARP Inspection, AAA, Wireless security, VPN concepts

Automation & Programmability

Network automation concepts

Controller-based networking

SDN, Cisco DNA Center concepts, REST APIs
JSON, Traditional vs controller-based networking
Network virtualization
Concepts Network virtualization
Implementing and managing virtualized network devices
WAN Technologies
Wide Area Network (WAN) concepts and technologies
MPLS, Metro Ethernet, and broadband technologies
SDWAN
Troubleshooting Labs
Machine cannot reach gateway?
Wrong IP/subnet mask?
Duplicate IP address?
VLAN mismatch?
Trunk not working?
Wrong access VLAN?
Inter-VLAN routing failure?
Static route missing/wrong?
OSPF neighbor not forming?
OSPF route missing?
DHCP not assigning IP?
NAT not working?
ACL blocking traffic?
SSH connection failure?
DNS connectivity issue?
STP problem?
EtherChannel failure?
IPv6 connectivity failure?
Default gateway problem?
End-to-end troubleshooting?



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Thank You!

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