CCNA 200-301

NETWORKING FUNDAMENTALS

- **Networking Components:** Servers And Endpoints
- **Overview of IP Addressing v4**
- IPv4 Subnetting (FLSm & VLSM)
- **overview of IPv6 And Address Types**

NETWORK ACCESS

- Basic Concepts of switch
- Cisco Switching: concept of poe
- Cisco Switching: concept of VLAN & Configurations
- Cisco Switching: Interswitch Connectivity & native vlan
- Cisco Switching: Spanning Tree Protocol Basics
- Cisco Switching: STP Operations
- Cisco Switching: STP Configuring RPVSTplus
- Cisco Switching: STP Portfast And BPDUguard
- Cisco Switching: L2 & L3 Etherchannel Configuration
- Cisco Switching: L2 Discovery Protocols (CDP & LLDP)

IP CONNECTIVITY

- Cisco Routers, Routing & routing protocols
- Overview & configuration of IPv4 Static, Default, floating & host Routes
- Overview & configuration of Single Area OSPFv2 & DR,BDR
- Overview & configuration of IPv6 Static, Default Routes
- Overview & configuration of First Hop Redundancy Protocols

SECURITY FUNDAMENTALS

- Define Key Security Concepts(threats, vulnerabilities, threats, and mittigation technique)
- Networking Components: NEXT GENERATION FW And IPS
- Security Password Policy Components
- Introduction of AAA Security
- Configuring Port Security-Static
- Configuring Port Security-Sticky
- Configuring DHCP Snooping And DAI
- Configuring And Verifying Standard ACLs
- Configuring And Verifying Extended ACLs
- Configuring And Verifying Named ACLs
- Understanding VPN Types

ABAI

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ABAD NETWORK FOR TRAINING

CCNA 200-301

IP SERVICES

- IP Services: Configuring, Verifying NAT
- IP Services: Configuring NTP
- IP Services: DNS And DHCP
- IP Services: Configuring SNMP
- IP Services: Understanding Syslog
- IP Services: overview of qos
- IP Services: Qos classification & Marking
- IP Services: Configuring SSH
- IP Services: Using FTP And TFTP

DATA center

- Overview of data center
- overview of Networking Topology Architectures
- DATA CENTER: 2 TIER, 3 TIER, SPINE & LEAF
- data center: Cisco DNA Center
- Networking Topology Architectures: WAN
- Networking Topology Architecture: Cloud on permises
- Networking Topology Architectures: SOHO
- fundamentals of Virtualization

Overview of Wireless

- **Cisco Wireless Basics**
- Cisco Wireless Architecture
- Cisco WLAN Components & configuration
- Cisco Wireless Management Access

AUTOMATION AND PROGRAMMABILITY

- Automation And Programmability Overview
- Intro To Network Programmability
- Intro To SDN Architectures
- Intro To API Concepts
- Intro To REST-Based APIs