



Cisco SD-WAN Course Overview

Cisco SD-WAN Solutions v1.0 examination acknowledges individual's information and skills of Cisco's SD-WAN solution consisting of SD-WAN controller deployment, policies, security and management etc.

What you will learn:

- Identify several elements and architecture of the Cisco SD
- Deploy vEdge routers in a safe protractible network.
- Create templates to aid in the deployment and operation of the safe adjustable network.
- Configure and verify overlay routing within the safe flexible network.
- Create easy policies to manage traffic flow in the safe protractible network.

Online Weekend Classes

Study Material: Streaming Recorded Videos, Led Live Lectures, Online Workbook, Virtual Lab
24*7 Available

Duration: 1 Month.

Prerequisites:

- Experience of 2 or more years in industry
- Fundamental knowledge of routing & switching networks
- Good knowledge about Internet & cloud system.

Who Can Attend

- Network administrators
- Network consultants
- Network analyst
- System administrator
- Data Analyst
- System analyst

Course Content

SD WAN: Basic

- SD-WAN Fundamentals
- SD-WAN Controllers Installation
- SD-WAN vEdgeCloud Installation
- SD-WAN ZTP and PnP
- SD-WAN Introduction to WEB Interface
- Generate a Certificate
- Upload the vEdgeSerial Number File
- Validate or Invalidate a vEdgeRouter
- Software Versions Installed on a Device
- Status of a vBondOrchestrator
- Status of a vEdgeRouter
- Status of a vSmartController
- SD-WAN Device Basic Templates
- SD-WAN Device Common Templates
- SD-WAN Routing (Connected and Static)
- SD-WAN Routing (BGP and OSPF)
- VRRP Configuration
- DHCP Server and Interface Information
- SD-WAN AAA
- SD-WAN Upgrades

SD-WAN: Advance

- Policy Overview
- Local BGP OSPF Route Control
- TLOC Extension
- Dual Transports
- SDWAN Topology
- ACL, FW and Traffic Engineering (Data)
- Application aware Routing
- Quality of Service
- VPN Segmentation
- NAT (Network Address translation)
- Multi Tennent Site

SD-WAN Lab Outlines:

- Configuring the WAN Cloud
- Installing the Enterprise Certificate Server
- Initializing vManage –CLI
- Initializing vManage – GUI
- Initializing vBond – CLI
- Initializing vBond –GUI
- Initializing vSmart – CLI
- Initializing vSmart – GUI
- Initializing vEdge – CLI
- Registering vEdges in vManage vEDGE-1

- Configuring Feature Template –Systems
- Configuring Feature Template –Banners
- Configuring Feature Templates -VPN & VPN Interfaces for VPN 0 & 512 —Branch Site (vEdges)
- Configuring Feature Templates –External Routing – OSPF for VPN 0 –Branch Site (vEdges)
- Configuring and Deploying Device Templates for vEdge – Branch Site (vEdge2)
- Configuring Internal Routing Protocols on the Internal Routing Devices – HQ & All Branches
- Configuring Feature Templates –Service VPN – VPN, VPN Interface and Internal Routing – Branch Site (vEdges)
- Implementing a Service VPN using Templates – Branch Site (vEdge2)
- Pushing Template to configure other Branch Sites – – Branch Site(vEdge3 & vEdge4)
- Configuring Feature Templates for HQ-Site (vEdge1) – VPNs, VPN Interfaces, External & Internal Routing VPN 0
- Configuring Device Templates for HQ-Site(vEdge1) to deploy VPN 0, 1 and 512
- Configuring and Deploying Feature and Device Templates for vSmart Controllers
- Configuring Application Aware Policies using Telnet and Web Requirements
- Manipulating Traffic flow using TLOCs
- Configuring Route Filtering
- AAA IMPLEMENTATION
- Manipulating Traffic flow using TLOCs
- Configuring NAT and DIA route

Note: ***Most of the course topics are covered with hands-on lab exercises and others are theoretical

Thank You

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