CISCO SD-WAN MENTORED POV PLUS

Service Overview:

At Netnology, we specialize in Cisco's SD-WAN (Viptela) enablement and implementation services to expedite the adoption of Cisco SD-WAN solution. As part of this POV Plus service offer, our subject matter experts (SME) partner with your team to ensure a smooth deployment of the SD-WAN solution in the lab environment and provide knowledge transfer to equip your staff with the necessary skills to configure and manage the SD-WAN environment.

Solution Overview:

Cisco SD-WAN (Software Defined WAN) is a cloud-delivered overlay WAN architecture that enables digital and cloud transformation for Enterprises. It significantly reduces WAN costs, improves the time to deploy services,builds application resiliency, and provides a robust security architecture for hybrid networks. Secure yourorganization with Cisco SD-WAN segmentation and achieve regulatory compliance with end-to-end segmentation that keeps user, device, and application traffic separate.

- Decouples control plane from the data plane, building an overlay transport that is vendor agnostic.
- Improves operational effectiveness by enabling a consistent user experience anywhere from thesingle pane of glass vManage dashboard.
- Provides flexibility to create per-VPN topologies any way the organization needs with the flexibilityto pick different encryption mechanisms (Cisco Supported) for each topology type.
- Guarantees zero network downtime, automates application flexibility over multiple connections,such as the Internet, MPLS, and wireless 4G LTE.
- Provides advanced analytics, monitoring, and automation for any connection across yournetwork, whether MPLS or beyond the cloud edge.

Service Benefits:

Netnology has a team of world class engineers who specialize in Cisco SD-WAN solution and are passionate about customer success.

This mentored POV Plus engagement will provide on how to deploy, configure and integrate Cisco SD-WAN solution. At the end of this engagement, you will have a solid understanding on how to implement and verify Cisco SD-WAN solutions in various deployment models.

Service Scope:

As part of the 5-day (up to 40 hours) Mentored POV Plus engagement, Netnology will provide the following services:

- Overview of the Cisco SD-WAN and Cisco SASE Mentored POV Plus
- Controller Deployment (1 vManage,1 vBond, 1 vSmart).

- **Configure, test, and validate the SD-WAN solution**
    - VPN Deployment & Segmentation (up to 2)
    - Create Features & Device Templates (up to 5)
    - Remote site deployment of WAN Edge (up to 3)
    - Policies Creation (up to 3)
        - Topology (Mesh, Hub & Spoke, Custom)
        - Application Aware Routing (AAR)
        - Direct Internet Access (DIA)
    - SD-WAN Routing (IGP only)
- Detailed instructions to configure, deploy and validate the three use cases:
    - **Secure Automated WAN** – Secure bandwidth augmentation enabled by a single, transportagnostic, SD-WAN fabric
    - **Application Performance Optimization** – Automatically distribute critical applications overavailable transports based on SLA policies (Application Aware Routing – AAR)
    - **Secure Direct Internet Access** – Simplified and secure Internet access for corporate andguest users

Target Audience:

This service is designed for Network Architects, Network Engineers and Administrators configuring, deploying, and managing the Cisco SD-WAN solution.

Prerequisites:

Customer needs to ensure that ALL servers and network devices are rack & stacked, cabled and powered-up and WAN transport and connectivity is established prior to the kick-off. Customer also needs to acquire the necessary software licenses for the deployment of SD-WAN solution.

Service Deliverables:

No	Deliverable	Service Details
1.	Project Kickoff	• SD-WAN and SASE Mentored POV service overview
2.	Controller Setup	• Install and setup vManage (1) • Install and setup vBond (1) • Install and setup vSmart (1)
3.	Remote Site Deployment	• Bring up WAN Edge (up to 3) • Base system provisioning.
4.	Templates Creation	• Create Feature/Device templates (up to 5 Device Templates) • Push templates • Device verification
5.	Policy and Segmentation	• Create policies (up to 3) • VPN segmentation (up to 2)
6.	Knowledge Transfer	• Explain how to configure and manage the solution in the customer's environment

Note:
(1) This service offer only covers either Cisco or Meraki SD-WAN solution (i.e., choose one).
(2) This service offer is not intended to be a training session on the Cisco SD-WAN solution.
(3) This service offer delivery duration is up to two weeks.