

CISCO SD-WAN & SASE MENTORED POV

Service Overview:

At Netnology, we specialize in enablement, implementation, and integration of Cisco SD-WAN and SASE solutions. This 2-day self-paced Mentored Proof of Value (POV) leverages capabilities within Netnology Services Platform (nSP) and is focused on implementing Cisco SD-WAN and Cisco SASE solutions in a hosted virtual environment. This service offer provides “just-enough” information to build a baseline understanding of the Cisco SD-WAN and SASE solution, and how to demonstrate customer value using standard use-cases.

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 your organization 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 the single pane of glass vManage dashboard
- Provides flexibility to create per-VPN topologies any way the organization needs with the flexibility to 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 your network, whether MPLS or beyond the cloud edge

Cisco SASE (Secure Access Service Edge) is a network architecture that combines VPN and SD-WAN capabilities with cloud-native security functions such as secure web gateways, cloud access security brokers, firewalls, and zero-trust network access. The SASE model aims to consolidate these functions in a single, integrated cloud service.

The benefits of a SASE model are unlocked by working with a single vendor who can bring together networking and security while offering flexibility and investment protection to transition to the cloud at your pace. All building blocks of a SASE architecture can be brought together in a single offer to provide the following benefits:

- Reduce cost and complexity
- Provide centralized orchestration and real-time application optimization
- Help secure seamless access for users
- Enable more secure remote and mobile access
- Restrict access based on user, device, and application identity
- Improve security by applying consistent policy
- Increase network and security staff effectiveness with centralized management.

Service Scope:

As part of the 2-day Mentored POV engagement, nSP will provide the following services:

- Overview of the Cisco SD-WAN and Cisco SASE Mentored POV
- Access to nSP (login credentials, access method, etc.)
- Access to virtual SD-WAN and SASE infrastructure (login credentials, access method, etc.)
- Demonstration on how to navigate the nSP
- Virtual SD-WAN and SASE infrastructure (1 DC, 2 Remote Sites)
- nSP Cisco SD-WAN and Cisco SASE configuration guide
- Configure, test, and validate the Cisco SD-WAN solution
 - VPN deployment and segmentation
 - Deployment of WAN Edge devices
 - Create feature-based templates
 - Create device templates
 - Hub and Spoke topology implementation policy
 - Application Aware Routing (AAR) policy
 - Direct Internet Access (DIA) policy
- Detailed instruction guide to configure, deploy and validate the three use cases:
 - Secure Automated WAN – Secure bandwidth augmentation enabled by a single, transport agnostic, SD-WAN fabric
 - Application Performance Optimization – Automatically distribute critical applications over available transports based on SLA policies (Application Aware Routing – AAR)
 - Secure Direct Internet Access – Simplified and secure Internet access for corporate and guest users
- Configure, test, and validate the Cisco SASE solution
 - Creation of templates
 - Establishment of IPSec tunnels to Umbrella SIG
 - Traffic Redirection to Umbrella SIG
 - Security Policy Selection
 - DNS Security
 - Secure Web Gateway
 - Cloud Delivered Firewall
 - CASB
 - Secure Internet Traffic
 - Verify Cisco SASE Operation
 - SD-WAN vManage controller
 - SD-WAN WAN Edge device
 - Umbrella dashboard
 - Test Cisco SASE (for pre-defined security policies on Umbrella dashboard)
 - Conclusion

Service Benefits:

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

nSP simplifies the provisioning of Demo, POV, and deployment of Cisco SD-WAN and SASE in order to accelerate the time to value for enterprises. In few simple steps, customers can leverage nSP to implement Cisco SD-WAN and SASE solutions in various deployment models, all leveraging APIs to integrate nSP with Cisco vManage and Umbrella.

Target Audience:

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

Prerequisites:

Basic technical knowledge of Cisco SD-WAN and SASE solutions.

Service Deliverables:

No	Deliverable	Service Details
1.	Project Kickoff	<ul style="list-style-type: none"> Cisco SD-WAN and SASE Mentored POV service overview
2.	Lab	<ul style="list-style-type: none"> Remote Access to a dedicated nSP SD-WAN and SASE POV POD
3.	Documentation	<ul style="list-style-type: none"> nSP Cisco SD-WAN and SASE configuration guide Step-by-step guide on implementing and validating use cases outlined in the "Scope of Service" section.
4.	Technical Support	<ul style="list-style-type: none"> Up to two (2) hours of technical support incase to help users troubleshoot problems related to nSP SD-WAN and SASE Mentored POV.

Note: This service offer is not intended to be a training session on the Cisco SD-WAN and SASE solutions.