

## CISCO SD-WAN and SASE MENTORED POV

### Service Overview:

At Netnology, we specialize in enablement, implementation, and integration of Cisco SD-WAN with SASE (Secure Access Service Edge). 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 Cisco 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** 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.

- 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 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 production 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 in various deployment models, all leveraging APIs to integrate nSP with vManage and with Umbrella.

## Scope of Services:

As part of the 2-day Mentored POV engagement, Netnology 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 SD-WAN solution**
  - VPN Deployment & Segmentation
  - Create Features & Device Templates
  - Remote site deployment of WAN Edge
  - Policies Creation
    - Topology (Mesh, Hub & Spoke)
    - Application Aware Routing (AAR)
    - Direct Internet Access (DIA)
- Detailed user guide 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 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 router
    - Umbrella Dashboard
  - Test Cisco SASE (for pre-defined security policies on Umbrella Dashboard)

## 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 Cisco/Meraki SD-WAN technical knowledge.

## Service Deliverables:

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

Note:

- (1) This service offer is not intended to be a training session on the Cisco SD-WAN solution.
- (2) This service offer is also available through manual configuration (i.e. without using nSP).