SD-WAN PUBLIC CLOUD INTEGRATION SERVICE

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 SD-WAN Public Cloud Integration service offer, our subject matter experts (SME) partner with your team to ensure a smooth integration of your Cisco SD-WAN deployment with different Cloud Services (both IaaS and SaaS) and provide knowledge transfer to equip your staff with the necessary skills to configure and manage the SD-WAN Public Cloud Integration.

Solution Overview:

Cisco SD-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.

Service Benefits:

As enterprises are moving their business-critical applications to multiple Clouds and adopting Software as a Service (SaaS) and Infrastructure as a Service (IaaS) from different providers, IT departments are struggling to provide a satisfactory experience to their users.

SD-WAN technology has evolved to address different challenges, including optimizing the deployment with different Public Cloud providers using automation and advanced policy routing based on the performance of each path.

Netnology has a team of world class engineers who specialize in Cisco SD-WAN and Public Cloud solutions and are passionate about customer success. Netnology will partner with you to provide:

- Step-by-step guidance from an SME on Cisco SD-WAN and Public Cloud integration
- Configuration and documentation of this integration

- Knowledge transfer to ensure customer is ready to configure and manage the environment

Service Scope:

As part of the 10-days engagement, Netnology will perform the following tasks to assist with a Cisco SD-WAN Public Cloud Integration service:

- Solution Overview
- Software as a Service (SaaS) integration with Cisco SD-WAN
  - Cloud onRamp for SaaS
- Infrastructure as a Service (IaaS) integration with Cisco SD-WAN (AWS, Azure, GCP - Pick One)
  - AWS
    - Different deployment models, use cases and best practices
    - AWS specifics – terminology, components, capabilities, limitations
    - Cisco SD-WAN Cloud onRamp for IaaS
    - Cisco SD-WAN Cloud onRamp for Multicloud
    - Manual deployment
  - Azure
    - Different deployment models, use cases and best practices
    - Azure specifics – terminology, components, capabilities, limitations
    - Cisco SD-WAN Cloud onRamp for IaaS
    - Cisco SD-WAN Cloud onRamp for Multicloud
    - Manual deployment
  - GCP
    - Different deployment models, use cases and best practices
    - GCP specifics – terminology, components, capabilities, limitations
    - Cisco SD-WAN Cloud onRamp for Multicloud
    - Manual deployment
- Knowledge Transfer and Walkthrough
- Service Launch Validation
  - Validate integration with Cisco SD-WAN fabric
  - Close and signoff

Target Audience:

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

Prerequisites:

Customer must validate the following prerequisites:

- Cisco SD-WAN fabric up and running – including SD-WAN Controllers and Cisco WAN Edges
- Cisco vManage controllers should have connectivity to the Internet
- Valid software WAN Edge routers licenses to be used in the respective Public Cloud provider

- Valid Public Cloud account with an active subscription and proper service quotas

Service Deliverables:

No	Deliverable	Service Details
1.	Project Kickoff	• Project Overview • Solution Overview

2.	SaaS Integration with Cisco SD-WAN	• Solution Overview
		• Cloud onRamp for SaaS
		  ○ Prerequisites' checklist
		  ○ Configuration
		  ○ Knowledge Transfer and Walkthrough
		  ○ Service launch validation

3.	IaaS Integration with Cisco SD-WAN (Pick One) • AWS • Azure • GCP	• Different deployment models, use cases and best practices • Cloud provider specifics – terminology, components, capabilities, limitations • Cisco SD-WAN Cloud onRamp for IaaS (AWS/Azure) • Cisco SD-WAN Cloud onRamp for Multicloud (AWS/Azure/GCP) • Manual deployment • Configuration • Knowledge Transfer and Walkthrough • Service launch validation