

CISCO ACI MSO MENTORED POV PLUS

Service Overview:

At Netnology, we specialize in Cisco's Application Centric Infrastructure (Cisco ACI™) Multi-Site Orchestrator (MSO) enablement and implementation services to expedite the adoption of Cisco ACI Multi-Site solution. As part of this Mentored POV Plus service offer, our subject matter experts (SME) partner with your team to ensure smooth integration of the Cisco ACI Multi-Site solution in the lab environment and provide knowledge transfer to equip your staff with the necessary skills to configure and manage the Cisco ACI Multi-Site environment.

Cisco ACI MSO Solution:

Cisco ACI Multi-Site is an architectural approach for interconnecting and managing multiple sites, each serving as a single fabric and availability zone. Cisco ACI Multi-Site key benefits are as follows:

- Complementary with Cisco APIC, in Multi-Site each site is an availability zone (APIC cluster domain), which can be configured to be a shared or isolated change-control zone.
- MP-BGP EVPN is used as the control plane between sites, with data-plane VXLAN encapsulation across sites.
- The Multi-Site solution enables extending the policy domain end-to-end across fabrics. You can create policies in the Multi-Site GUI and push them to all sites or selected sites. Alternatively, you can import tenants and their policies from a single site and deploy them on other sites.
- Multi-Site enables a global view of site health.
- From the GUI of the Multi-Site Policy Manager, you can launch site APICs.
- Cross-site namespace normalization is performed by the connecting spine switches.
- Disaster recovery scenarios offering IP mobility across sites is one of the typical Multi-Site use cases.

Service Benefits:

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

- Step-by-step guidance from an SME on Cisco ACI Multi-Site solution deployment
- Configuration and documentation of Cisco ACI Multi-Site solution
- Knowledge transfer to ensure customer is ready to configure and manage the lab environment

Scope of Services:

As part of the 5-day Mentored POV Plus engagement, Netnology will help with the following:

- Solution Overview
- MSO Deployment
- IPN/ISN Configuration (up to 2 ISN devices)
- MSO Integration (up to 2 Sites)
- Policy Development in MSO
 - Up to 1 Tenant
 - Application Profile (AP) (up to 1)
 - End Point Groups (EPG) (up to 5)
 - Bridge Domain (BD) (up to 5)
 - End Point Groups (EPG) (up to 5)
 - Filters, Subjects, Contracts (up to 5)
- Pushing of one Tenant Policies
 - L2 Deployment
 - L2 Stretching
 - L3 Deployment
 - L3 Out Site Local or Golf (up to 1 L3 out per site)
- Troubleshooting
- Knowledge Transfer

Target Audience:

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

Prerequisites:

Customer needs to ensure that all equipment and devices are racked & stacked, cabled and powered-up prior to the kick-off. Customer also needs to acquire the necessary software licenses for the deployment of the Cisco ACI Multi-Site Solution. Two ACI Fabrics (latest recommended version) with at least one Site having existing Fabric policy, Tenant Application Profile, EPGs, BDs (working Tenant Space) and L3 out. Available IP network between the ACI fabrics for Inter-Site network.

Service Deliverables:

No	Deliverable	Service Details
1.	Project Kickoff	<ul style="list-style-type: none"> • Project Overview • Solution Overview
2.	MSO Deployment	<ul style="list-style-type: none"> • Deploy Cluster of Multi-Site Controllers <ul style="list-style-type: none"> ○ VMware Based Deployment
3.	Fabric Policies	<ul style="list-style-type: none"> • Create Fabric Policies <ul style="list-style-type: none"> ○ TEP Address Creation ○ Spine Fabric Policy ○ BGP RR
4.	IPN/ISN Configuration	<ul style="list-style-type: none"> • Configure L3 Inter-Site Network <ul style="list-style-type: none"> ○ L3 connectivity for IP encapsulated ACI Multi-Site (Directly connect to Spine or between IPN/ISN devices Only)
5.	Configure MSO	<ul style="list-style-type: none"> • Integrate MSO with 2 ACI Sites <ul style="list-style-type: none"> ○ Full Mesh Enablement • Pull/Create Multi-Site Tenant, Schema, Template policies <ul style="list-style-type: none"> ○ Design Based on Requirements <ul style="list-style-type: none"> • L2/L3 • Features vMotion, Routing, Shared Services
6.	Deploy Configurations from MSO	<ul style="list-style-type: none"> • Push Configurations to ACI Sites from MSO <ul style="list-style-type: none"> ○ Deploy Tenant From MSO <ul style="list-style-type: none"> • Shared Configurations • L2 Stretching Options • Site local Configurations
7.	Troubleshooting	<ul style="list-style-type: none"> • Common Issues
8.	Knowledge Transfer	<ul style="list-style-type: none"> • Explain to the customer how to configure and manage the solution in the lab environment • A walkthrough of the customer's environment