

CISCO CLOUD ACI MENTORED INSTALL

Service Overview:

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

Cisco Cloud ACI Solution:

Cisco Cloud Application Centric Infrastructure (Cloud ACI) is a comprehensive solution that provides simplified operations, consistent policy management and visibility across multiple on-premises data centers and public clouds or hybrid cloud environments. Cloud ACI allows customers running ACI in their on-premises data centers to extend their ACI policies to public clouds. It also allows them to run a cloud only ACI.

- Accelerate time to market by gaining an understanding of the ways that Cisco Cloud ACI can address your unique use cases, align IT goals with business goals, and simplify operational processes required for success.
- Reduce risks by identifying and addressing your technical and operational readiness to effectively deploy a Cisco Cloud ACI solution to support your target use cases.
- Protect capital and operational investments by developing a simple transition path from existing environments to architecture based on Cisco Cloud ACI.
- Optimize performance and reduce service interruption by preempting and proactively resolving problems efficiently to help you maintain the performance, reliability, and ROI of your Cisco Cloud ACI deployment.

Service Benefits:

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

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

Scope of Services:

As part of the 10-day Mentored Install engagement, Netnology will help with the following:

- Solution Overview
- Cloud ACI Deployment Model (Pick One)
 - Hybrid - On-premises and Public Cloud (AWS and/or Azure)
 - Network Centric Deployment
 - Configure APIC/Leaf/Spine
 - Configure on-premises ACI Access and Fabric Policies
 - Deploy and Configure Multi-Site Orchestrator (MSO)
 - Deploy and Configure Cloud APIC
 - Configure Cloud ACI Policies
 - Deploy and Configure CSR1000v (On-premises and Cloud)
 - Configure Tenants/VRFs/BDs/EPGs/Contracts/L3Outs
 - Cloud First - One Public Cloud only - AWS or Azure
 - Deploy and Configure Cloud APIC
 - Configure Cloud ACI Policies
 - Configure Cloud Equivalent of Tenants/VRFs/BDs/EPGs/Contracts/L3Outs
 - Multi-Cloud - AWS and Azure (No on-premises)
 - Deploy and Configure Multi-Site Orchestrator (MSO)
 - Deploy and Configure Cloud APIC
 - Deploy and Configure CSR1000v
 - Configure Cloud ACI Policies
 - Configure Cloud Equivalent of Tenants/VRFs/BDs/EPGs/Contracts/L3Outs
- Snapshot, Rollback, Configuration Backups
- Troubleshooting - Health Scores and Faults
- Use Cases
 - High Availability - Stretched Applications
 - Cloud Bursting - Stretched EPGs
 - Inter-Site Shared Services - On-premises to Cloud
 - Shared On-premises L3-Out
 - On-Premises Service Chaining
- Knowledge Transfer and Walkthrough

Target Audience:

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

Prerequisites:

Customer also needs to acquire the necessary software licenses for the deployment of Cloud ACI solution.

- Cisco ACI
- CSR 1000v
- Cloud APIC
- Multi-Site Orchestrator

For Hybrid Deployment Model

- Customer needs to ensure that all equipment and devices are racked & stacked, cabled and powered-up prior to the kick-off.

For Cloud First and Multi-Cloud Deployment Model

- AWS accounts (at least 2, one for Infra tenant, one for user tenant)
- Azure account and Azure subscription (at least 2 subscription, one for Infra tenant, one for user tenant)

Service Deliverables:

No	Deliverable	Service Details
1.	Project Kickoff	<ul style="list-style-type: none"> Project Overview Solution Overview
2.	Hybrid Deployment Model	<ul style="list-style-type: none"> Configure on-premises APICs Discover and Register Spine and Leaf Switches Configure on-premises ACI Access and Fabric Policies Deploy and Configure Multi-Site Orchestrator Deploy and Configure Cloud APIC Configure Cloud ACI Policies Deploy and Configure CSR1000v (On-premises and Cloud) Configure Tenants/VRFs/BDs/EPGs/Contracts/L3Outs
3.	Cloud First Deployment Model	<ul style="list-style-type: none"> Deploy and Configure Cloud APIC Configure Cloud ACI Policies Configure Cloud Equivalent of Tenants/VRFs/BDs/EPGs/Contracts/L3Outs
4.	Multi-Cloud Deployment Model	<ul style="list-style-type: none"> Deploy and Configure Multi-Site Orchestrator Deploy and Configure Cloud APIC Deploy and Configure CSR 1000v Configure Cloud ACI Policies Configure Cloud Equivalent of Tenants/VRFs/BDs/EPGs/Contracts/L3Outs
5.	Configuration Backup	<ul style="list-style-type: none"> Schedule/Create Snapshots Test Rollbacks from Snapshots Configure External Backups
6.	Troubleshooting	<ul style="list-style-type: none"> Health Scores and Faults
7.	Use Cases	<ul style="list-style-type: none"> High Availability - Stretched Applications Cloud Bursting - Stretched EPGs Inter-Site Shared Services - On-premises to Cloud Shared On-premises L3-Out On-Premises Service Chaining
8.	Knowledge Transfer	<ul style="list-style-type: none"> Explain to the customer how to configure and manage the solution in their environment A walkthrough of the customer's environment