ONSTAK

Cisco DSI | Application Experience | MINT Partner

Cisco Partner
Premier Advisor
MINT

ACI Implementation to Enhance Network Architecture

Services Provided

- Discovery & Design
- Development
- Deployment & User Acceptance

Business Outcomes

As a result, the customer achieved the following:

- Successful design, plan, and implementation of ACI MultiPod/ Multisite across three data centers
- Enhanced network architecture with improved scalability and reliability
- Comprehensive documentation and knowledge transfer to the customer's team for ongoing management and future expansion

Certifications

Cisco Certified Specialist
Cisco Certified CCIE
Cisco Certified CCNP
Cisco Certified CCNP Data Center
Cisco Certified CCNA

Background

The customer is the part of the US Farm Credit System, serves as a wholesale lender and business service provider to a network of local farm credit associations, wanted to enhance connectivity and management of their data centers, ensuring efficient operations and robust network infrastructure.

Solution

OnStak recommended deploying an ACI MultiPod/Multisite solution across three data centers—two located in Georgia and one in Columbia. This proposed deployment included:

Discovery: Conducted requirement gathering to understand the current network.

HLD Review: Reviewed High-Level Design (HLD) and Bill of Quantities (BoQ).

Design Recommendation: Finalized High-Level Design for Data Center (DC), Application Delivery Controller (ADC), and non-production environments, including MultiPod/Multisite and IPN/ISN design.

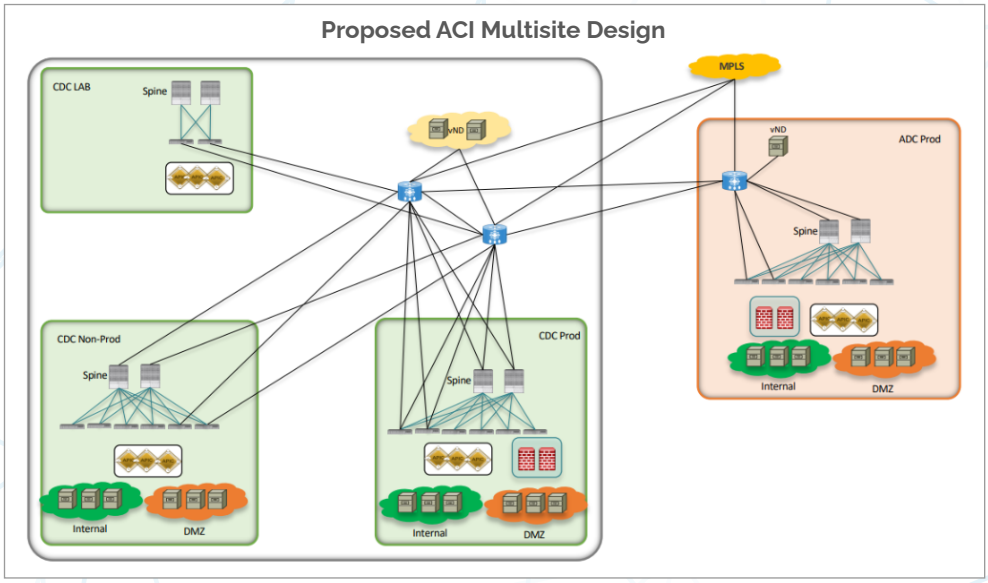
Requirement Gathering: Captured detailed requirements for ACI Bringup.

Low-Level Design (LLD): Designed ACI Fabric, including patching matrix, Layer 3 outs, VMM integration, Multi-Pod/Multisite traffic flows, service graphs, contracts, and IPN/ISN design.

Implementation Plan: Developed plans for APIC/vAPIC cluster bringup, standalone/Multi-Pod fabrics, Multisite (IPN), Nexus Dashboard Cluster, Nexus Dashboard Orchestrator, fabric policies, access policies, and tenant/logical policies.

ACI Implementation: Executed fabric bringup for Multi-Pod, Multisite, and Nexus Dashboard.

Test Cases: Conducted testing and verification through defined test cases to ensure the implementation's success and reliability.



Proposed Option

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