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Cisco AI Optimized Fabric Health Check Service



Overview

The Cisco AI-Optimized Fabric Health Check Service is designed to deliver expert analysis of the customer's existing fabric environment and its readiness to support AI workloads. It assesses current performance against critical AI use cases, identifies potential gaps or inefficiencies, and provides targeted recommendations to ensure the fabric is fully optimized for scalable, high-performance AI operations.

Discovery

- Conduct a customer workshop to understand AI workload requirements and infrastructure goals.
- Information Gathering
 - Network topology of the existing AI-Optimized Fabric environment.
 - Configuration details from Nexus switches, fabric controllers, and relevant telemetry outputs.
 - Configuration details of LLM Model, including KV-Cache sizing, CPU/RAM needs, GPU type/count.
 - Policy and orchestration data from Nexus Dashboard and supporting tools.

Recommendations

- Provide feedback and recommendations on:
 - Fabric architecture and scalability for AI workloads
 - QoS policies, congestion management, and traffic engineering
 - Advanced features (RDMA/RoCEv2, Multi-site, Telemetry)
 - LLM Model size and resource requirements.
 - Integration with compute, storage, and orchestration platforms
- Identify areas of improvement and overall optimization of the AI-Optimized Fabric environment.

Deliverables

- Executive Summary Presentation
- Health Check Review Report
- Findings and Recommendations Document

Award-Winning SDx and Cloud Solution Provider



About Netnology

Netnology brings a proven approach to building and managing application-rich complex software defined, cloud and full-stack observability environments leveraging years of industry experience working with large scale multi-vendor networks. We help enterprises and service providers reduce time from concept to value through our software and services.