CISCO
The bridge to possible

Cisco Provider Connectivity Assurance

Proactive service assurance with precision drives service quality

Overview

Fragmented multidomain tools and the lack of end-to-end visibility on service quality make it difficult to differentiate services based on Quality of Experience (QoE) and deliver enhanced SLAs.

Designed for networks with stringent performance needs, Cisco Provider Connectivity Assurance (formerly Accedian Skylight) enables proactive service assurance for efficient troubleshooting and SLA-backed services for exceptional customer experience—all while lowering the cost of operations.

Provider Connectivity Assurance Sensors provide continuous, real-time visibility of end-to-end network and service quality, as well as per-segment visibility, with microsecond precision and millisecond sampling—the high-quality performance data and insights needed to automate assurance.

Provider Connectivity Assurance help you get more value from your infrastructure. The platform's granular performance metrics can be correlated with infrastructure telemetry and third-party data and presented in a single unified view for efficient operations.

Combined with AI-native predictive analytics, Provider Connectivity Assurance helps to identify anomalies and resolve issues before your end users are impacted.

Benefits

Simplify troubleshooting with unified, network-wide, and end-to-end service visibility.

Find and fix problems before your end users are impacted with proactive monitoring, granular visibility, and predictive analytics.

Assure and monetize SLA-backed services with real-time KPI monitoring and end-customer reporting.

Lower costs with automated service activation and monitoring for closed-loop control.

What it does

Differentiate your business with consistent Quality of Experience

Despite ongoing transformation efforts, high-performance networks are becoming more complex to manage. This is driving the need for service assurance that can handle dynamic networks and services and be precise enough to detect transient microbursts that impact end-user experience.

Provider Connectivity Assurance enables you to:

- Assure critical services with network-wide visibility and precise synthetic (active) network and service testing.

- Simplify troubleshooting with end-to-end and per-segment visibility in a single pane of glass with easy ingestion of telemetry data for enriched insights.

- Optimize user experience with continuous monitoring and access high-quality performance data to automate service assurance and lower costs.

Provider Connectivity Assurance provides the most detailed and fine-grained performance visibility with a flexible range of Assurance sensors and a rich set of KPIs. The measurement accuracy of the Assurance Sensors is market-leading with microsecond accuracy for time-based measurements, per-second reporting, and one-way metrics.

"With Cisco Provider Connectivity Assurance, we now have a complete 'telescopic and microscopic' view of network and service performance in a single view. We can look at performance at a single site or service level up to a regional and national network level."

André Ethier,
Network Quality Engineer, at Bouygues Telecom

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Service-centric proactive assurance

Provider Connectivity Assurance high-resolution monitoring drives high-quality services
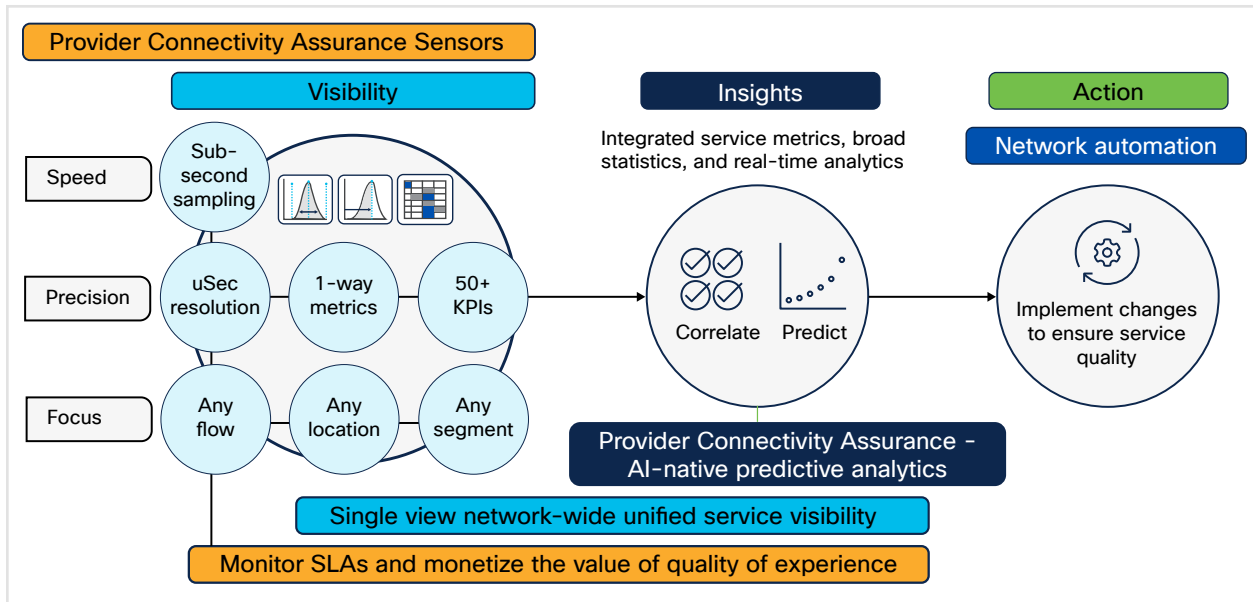

Figure 1. Proactive service assurance with precision and predictive analytics drives service quality

Learn more

Differentiate your business with proactive assurance that drives service quality, delivers outstanding customer experience, and enables innovative services with enhanced SLAs.

For additional information, visit **cisco.com**.