

# JUNIPER ROUTING ACTIVE TESTING NETWORK PERFORMANCE AUDIT SERVICE DATASHEET

## Service overview

*Juniper Routing Active Testing Network Performance Audit Service quickly identifies problematic nodes and reports actual network performance in a fixed environment or in mobile backhaul. The service helps proactively resolve issues before they impact end users.*

*The [Juniper Global Services](#) team can configure a single strategically located test agent to audit thousands of endpoints through data collection. The collected data is used to monitor and evaluate network performance, providing deeper insights into service performance and trends. This service delivers a real-time view of network performance through a comprehensive audit performed by Juniper experts.*

## Service description

As networks grow more complex, it becomes increasingly difficult to gain visibility into network performance, understand how services are delivered, and track how performance affects user experience. Juniper® Routing Active Testing Network Performance Audit Service (formerly [Paragon Active Assurance Network Performance Audit Service](#)), offered by Juniper Global Services, provides deep visibility into the network and how it is performing. This service gives you a comprehensive audit that reports detailed findings gathered from network quality metrics, helping identify regions or sites with the lowest performance.

To get the most from your Routing Active Testing Network Performance Audit Service investment, a single low-footprint, software-based test agent is deployed at the edge of the core network and synthetic data is sent to multiple recipients equipped with reflector functionality. The traffic is then bounced back by network equipment, continuously monitoring thousands of endpoints simultaneously.

The Routing Active Testing Network Performance Audit Service extends basic network quality metrics to dozens of KPIs. The data gathered is further analyzed, providing deeper insight into service performance and trends, with findings presented in the audit report.

The audit service:

- Provides visibility into the perceived quality of your network performance
- Pinpoints issues and assess their severity
- Prioritizes the most important issues
- Identifies regions and sites with the most problems
- Determines the types of faults (such as QoS misconfigurations) detected and the direction in which they are occurring

## Methodology

The Routing Active Testing Network Performance Audit Service execution methodology includes the following:

- **Audit method description workshop:** Provides a summary of the audit specifications, aligns expectations, and assesses the current state of the network
- **Configuration of test agent and Two-Way Active Measurement Protocol (TWAMP) monitoring:** Includes suggestions for the optimal configuration of the test agent in the Network Functions Virtualization Infrastructure (NFVI) environment
- **Audit findings summary presentation:** Reported metrics and insights gathered from analyzing the collected data are delivered by the Juniper Services team to your cross-functional teams

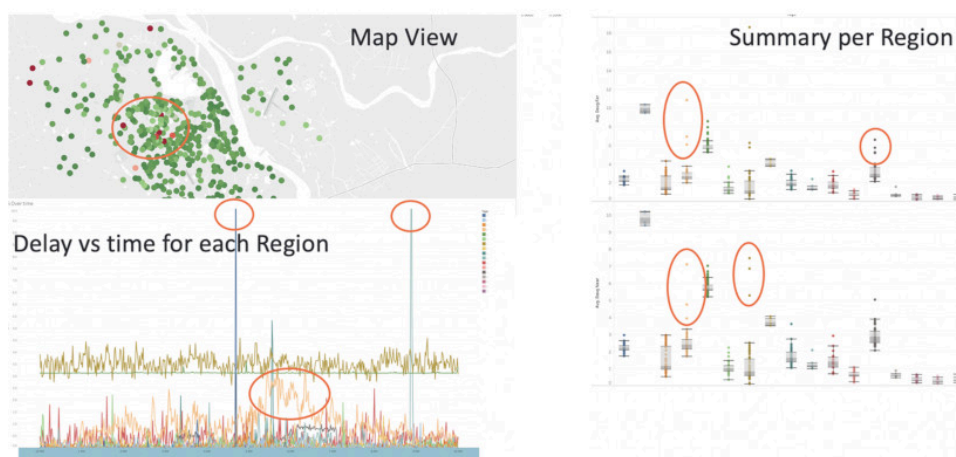


Figure 1: Juniper Routing Active Testing Performance Audit map view, summary page, and regional delay vs. time

Components	Description	Benefits
Audit method description workshop	Juniper holds technical workshop to discuss audit specifications and align expectations	Solution delivery customized to your unique business and technical requirements
Configuration of test agent and TWAMP monitoring	<ul style="list-style-type: none"> <li>Juniper team assesses the network environment and uses the workshop outcome to recommend installation best practices for the test agent</li> <li>Juniper creates the configuration for the TWAMP monitoring used to gather data for analysis</li> </ul>	<ul style="list-style-type: none"> <li>Optimal configuration for the test agent</li> <li>Artificial packet loss and jitter prevented in the testing and monitoring results</li> </ul>
Audit findings summary presentation	Juniper presents the findings (packet loss, latency, jitter, and more) and intelligence from the analysis of data collected over a one-week period, including overall network performance and any issues uncovered	Network performance can be optimized using detailed information about network quality and identified issues

## Ordering information

To order Juniper Routing Active Testing, the Juniper Routing Active Testing Network Performance Audit Service, or for additional information, please contact your Juniper Account Manager.

## Education Services

Education Services offers a Juniper Routing Active Testing [training course](#) for network engineers working on Juniper Routing Active Testing. Additionally, customers have the option to purchase an [All-Access Training Pass](#) that provides access to every Juniper instructor-led or on-demand (self-paced) training course for a full year for one low price.

## Exclusion

The scope of this service is for delivering Juniper Routing Active Testing Network Performance Audit Service features only and does not include separately sold assessment, design, or migration services. If you require additional services, please contact your Juniper Account Manager.

## About Juniper Global Services

Juniper Global Services offers an evolving lifecycle suite of services that aligns AI with people, process, and technology to accelerate time to value and de-risk network investments. Through insights, automation, and a range of services, Juniper provides assured assistance and advantages across the entire services portfolio.

## About Juniper Networks

Juniper Networks is leading the convergence of AI and networking. [Mist™, Juniper's AI-native networking platform](#), is purpose-built to run AI workloads and simplify IT operations, assuring exceptional and secure user and application experiences—from the edge to the data center to the cloud. Additional information can be found at [juniper.net](https://www.juniper.net) or connect with Juniper on [X](#) (formerly Twitter), [LinkedIn](#), and [Facebook](#).

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