NetIQ Vivinet Assessor

Network assessment to support IP telephony pilot deployments and avoid post-deployment surprises

Introduction

Despite the potential to save money and enable new applications, many IT departments are reluctant to implement Voice over IP (VoIP) because of concerns about voice call quality and the network's ability to handle the VoIP traffic load. NetIQ® Vivinet® Assessor enables you to make informed decisions about your VoIP deployment by emulating VoIP traffic on the network, collecting key call quality metrics, and analyzing the results. With NetIQ Vivinet Assessor you can easily determine a network's VoIP readiness prior to the purchase and deployment of VoIP equipment.

Product Overview

NetIQ Vivinet Assessor helps you determine quickly and easily how well VoIP will work on a network prior to deployment. Before you invest in costly training and pilot deployments, NetIQ Vivinet Assessor predicts the overall call quality you can expect from the network and generates customizable reports detailing the network's VoIP readiness.

Capabilities

NetIQ Vivinet Assessor allows you to:

- **Determine if your network can handle VoIP** – evaluate and report on the network's ability to support VoIP's unique network requirements and make knowledgeable choices about how to proceed with your VoIP investment and deployment.

- **Emulate complex VoIP traffic** – simulate VoIP traffic, including today's leading codecs and advanced features, such as silence suppression and jitter buffers. You can vary the start times of simulated calls to realistically emulate call traffic patterns.

- **Predict call quality** – collect network metrics to provide an accurate prediction of the overall call quality that can be expected once VoIP is deployed and create background traffic to simulate the impact of application traffic on VoIP call quality.

- **Utilize flexible graphing and charting**– provide an easy view into the data collected by NetIQ Vivinet Assessor with the product's Analysis Console so you can identify trends and anomalies in performance metrics that could otherwise be difficult to detect. The data can also be easily exported and included in NetIQ Vivinet Assessor's standard reports.

- **Perform configuration assessment**– compare information about device configuration gathered during a network inventory to a set of rules you supply – based on vendor recommendations – and report any discrepancies.

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Features and Benefits

- Save time via an automatic network inventory build that includes routers, switches and WAN links to be evaluated by NetIQ Vivinet Assessor.

- Identify needs for additional or upgraded devices before VoIP deployment by monitoring utilization statistics of current network devices and links.

- Improve planning with predictive modeling, increasing deployment success through "what if" analysis. The upfront modeling narrows down the scenarios that you will want to emulate on a live network.

- Create polished and customizable assessment reports that provide a straightforward executive summary and detailed report. The Executive Summary provides a concise overview of your network's VoIP readiness. The Complete Report provides extensive, detailed analysis of every location tested, including call quality, availability, jitter, lost data, and a host of other factors.

- Integrate with other NetIQ products, including ongoing VoIP performance management with the NetIQ® AppManager® Suite and perform advanced troubleshooting with NetIQ® Vivinet® Diagnostics.
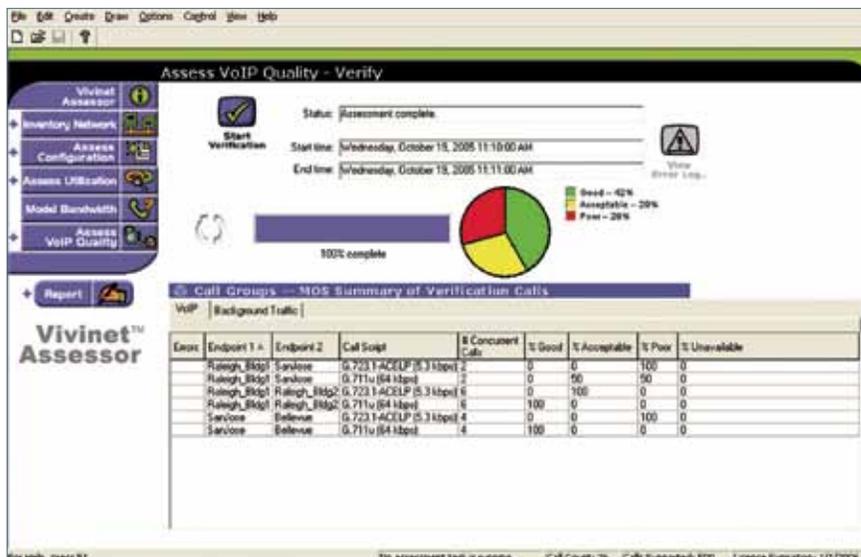
NetIQ Vivinet Assessor enables you to verify call quality on your current network to ensure a successful VoIP deployment.

Key Differentiators

- **Offers high-precision, one-way delay measurements** – uses a patented* technology for calculating one-way network delay so you get the precision you need without the hassle and expense of deploying hardware probes. The one-way network delay is then combined with the delay introduced by packetization and defined jitter buffers to create a complete end-to-end delay measurement for the call.

- **Delivers advanced call quality measurements** – predicts call quality by calculating a Mean Opinion Score (MOS) based on the industry standard E-model specified in the ITU recommendation G.107. NetIQ Vivinet Assessor improves on that base standard by taking into account additional network factors that can impact call quality, such as jitter and consecutive lost datagrams. You can quickly define a schedule in which VoIP calls are generated and evaluated periodically.

To learn more about NetIQ Vivinet Assessor, or to start a trial, go to **www.netiq.com/vassess.**