Radvision eVident
Comprehensive Video and Voice Network Monitoring

Easily Monitor Video Networks

Radvision's eVident is a comprehensive software monitoring solution for all stages of video and voice deployment. eVident's three applications include PreVideo for simulating a video conferencing application and identifying network issues before deployment; RVMON for real time QoE monitoring of the entire installation; and VQInsider for detailed quality measurement and analysis to focus on problem areas.

Determine Network Readiness

With PreVideo, network administrators can test their networks and determine if they are ready for voice and HD video conferencing. PreVideo emulates video systems and can simulate hundreds of calls simultaneously - enabling administrators to determine the impact of video prior to making significant endpoint investments. Through test results, recommendations are determined for network enhancements to prevent problems before they occur.

Real Time Voice and Video Monitoring

RVMON delivers real time QoE monitoring through continuous collection and analysis of audio and video metrics of conferences throughout the entire installation. Bandwidth monitoring identifies bandwidth used locating bottlenecks, summarizing usage trends and traffic routing patterns; while QoE reports enable administrators to determine adaptive and corrective actions for continuous optimization of the user experience.

Quality Measurement and Analysis

VQInsider provides in-depth measurement and analysis of the user experience for quantification of voice and video quality. Through detailed reports from non-intrusive examination of network and audio/video codec parameters, VQInsider determines the cause of quality issues and defines improvement options, enabling organizations to develop and maintain HD video conferencing applications and services.

Proactively Improve Call Quality

Radvision's eVident enables a proactive approach to avoid call quality problems before they occur ensuring administrators deliver the highest application performance possible. When reactive measures are required, it also increases their efficiency by providing real time analysis and diagnostics reducing customer care response time.

eVident Network Monitoring

eVident Specifications

PreVideo

Highlights

- Ensures network readiness for HD voice and video over IP
- Ensures correct network configuration
- Topology emulation, including interaction with various types of infrastructures
- Problem prevention by pro-active testing
- Enables optimal end-user experience (voice and video quality)

Features

- SIP, H.323 and Telepresence Interoperability Protocol (TIP) emulation
- Client / server architecture
- Graphical interface to observe real-time results
- Multiple agents per system
- Voice & video quality MOS measurement
- USB key agent (plug and play)
- QoS configuration and testing
- Pre-recorded media stream with built-in script
- Audio and Video KPI: Jitter, Delay, Packet Loss, Bandwidth Utilization
- XML API for remote control and automation
- Reports in .pdf, .xls, .doc

Capacity

- Multiple SD and HD calls per agent
- Up to 100 agents per agent manager

RVMON

Highlights

- Real time, continuous QoE monitoring and measurement
- Real time bandwidth monitoring
- Detects problems and identifies solutions
- Point-to-point and multi-party call monitoring
- Multi-vendor endpoint support

Features

- Non-intrusive (agent-less) monitoring
- View and monitor meeting participants
- System performance analysis
- Integration with Scopia Management
- Import network topology (Devices / MCUs/ Endpoints)
- Alerts on issues w/ alarm thresholds
- Email notifications of poor quality
- CDR with QoE metrics history
- Reports on QoE summary / trends
- Reports on Device / MCU / Endpoint performance

Capacity

- Unlimited call duration

VQInsider

Highlights

- In-depth frame-based audio and video analysis
- Displays cause analysis
- Identifies quality improvement options

Features

- Audio and video MOS, No-Reference quality assessment
- Video frame analysis
- SD and HD video profiles
- Audio and video playback
- Video quality measurement algorithms: Network, Video, Image, Compression Parameters and Content Type
- Audio and Video KPI: Video MOS, Network KPI, Profile, Frame Rate, Intra-Partial Frame, Image Complexity, Compression, Audio MOS, Packet Size, Bandwidth, Packet Loss, Duplicate Packets, Jitter
- Wireshark interface
- XML API for remote control and automation
- Command line interface
- Reporting with multiple format graphs / tables
- Export of analysis data

Capacity

- Unlimited call duration

System Requirements

PreVideo / RVMON Server / VQInsider

- Intel® Pentium® Dual Core 4 GHz processor, 4 GB RAM, 20 GB hard disk
- Windows® 7

Web Client

- Windows® 7, Windows® XP
- Browsers: Internet Explorer®, Firefox®, Chrome™, Safari®

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