

Essentra™ TMS Traffic Monitoring System

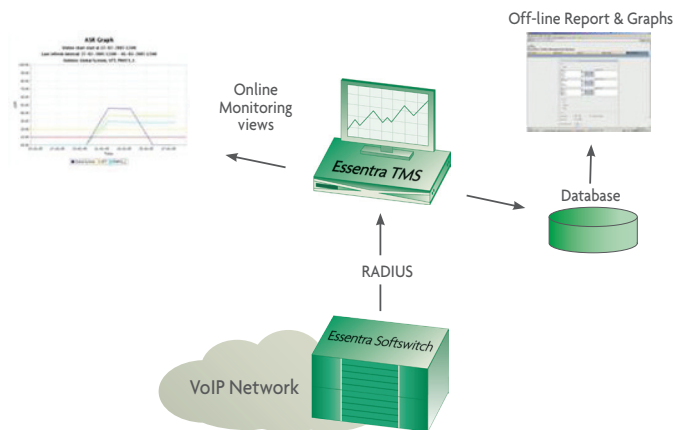
The ability to monitor and manage network performance is essential to a service provider's success, enabling it to win and retain customers, enhance its competitive advantage and better utilize network resources. Essentra TMS is an intelligent network traffic monitoring system, providing near real-time performance monitoring, problem identification and analysis tools based on Radius/CDR information.

Featuring a user-friendly GUI, Essentra TMS provides a comprehensive range of traffic and Quality of Service (QoS) statistics including reports, offline graphs and single or multiple online graphs and reports for both historical data as well as for real-time traffic monitoring.

Essentra TMS allows network administrators to make educated routing decisions based on up-to-date network traffic information. With Essentra TMS, service providers can improve the quality of their network; maximize resource utilization and better plan for network growth.

Features & Benefits

- Intelligent network traffic monitoring based on CDR information sent via Radius in real-time
- Near-real-time monitoring of network performance enabling proactive maintenance
- Comprehensive traffic and QoS statistics for optimized network performance
- Intuitive web-based GUI for ease-of-use and remote access from any PC terminal
- Variable statistical performance reports at the network, carrier, peer, port or port group levels



Essentra TMS Highlights

Online Monitoring

Continuous monitoring of network performance and traffic behavior based on real-time collection of CDR information via Radius provides a highly accurate end-to-end view of network performance. Service and network behavior are captured and visually presented using a variety of graphic displays. Configurable thresholds are used to highlight potential abnormal network situations so that problems can be resolved prior to service degradation. Online monitoring is available for ASR and Erlang and can be calculated per peer, carrier, port, port group and/or for the entire network. Data from multiple carriers and ports can be viewed simultaneously on a single screen.

Offline Graphs

Enables network administrators to perform in-depth analysis of traffic behavior and historical trends. The offline graphs display network performance statistics such as ASR, Erlang, number of calls, average call duration and other call-related statistics.

Statistical Reports

Essentra TMS collects key performance parameters and CDR records. It processes and analyzes the collected data and generates a wide range of statistics including number of calls per carrier/destination, network utilization, disconnect reasons, busy hour reports, Erlang, ASR, average call duration and other call-related statistics. The report parameters can easily be configured per carrier, peer, port, port group and per time interval. The results of the statistical analysis are displayed as tables or charts. The results can also be saved in a variety of formats, including HTML, PDF, RTF and comma separated text format (CSV) for simple export to MS Excel.

Specifications

Protocols

- RADIUS for CDR collection
- HTTP for client connections
- SNMPv2 Management interface

Scalability

- Up to 5 million CDRs per day
- 160 CDRs per second

Data Storage

- CDR aggregation for enhanced storage
- Configurable data retention periods

Hardware Platform Server

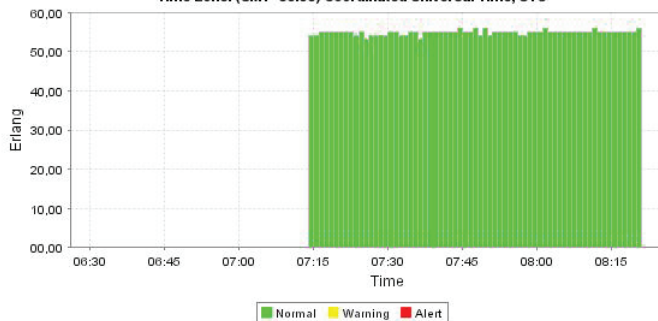
- IBM xServer 3550

Client

- Internet Explorer 6.0 SP2 or Internet Explorer 7
- Java 1.4.2 or higher

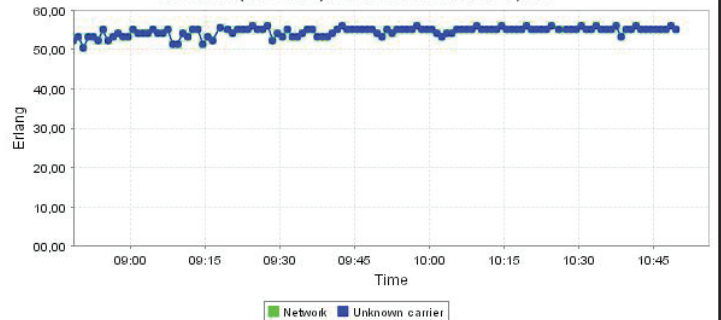
Erlang Graph

Both (originating and terminating) calls
 Online chart start at 2007-10-25 07:14 (UTC)
 Last refresh interval: 2007-10-25 08:20 (UTC) - 2007-10-25 08:21 (UTC)
 Time at TMS at last refresh: 08:21
 Time Zone: (GMT+00:00) Coordinated Universal Time, UTC



Erlang Graph

Both (originating and terminating) calls
 Online chart start at 2007-10-25 08:22 (UTC)
 Last refresh interval: 2007-10-25 10:49 (UTC) - 2007-10-25 10:50 (UTC)
 Time at TMS at last refresh: 10:50
 Time Zone: (GMT+00:00) Coordinated Universal Time, UTC



About VocalTec

VocalTec Communications (Nasdaq: VOCL) is a global provider of carrier-class multimedia and voice-over-IP solutions for communication service providers. A pioneer in VoIP technology since 1994, VocalTec provides proven trunking, peering and residential/enterprise VoIP application solutions that enable the flexible deployment of next-generation networks (NGNs). Partnering with prominent system integrators and equipment manufacturers, VocalTec serves an installed base of dozens of leading carriers including Deutsche Telekom and Telecom Italia San Marino. VocalTec is led by a management team comprised of respected industry veterans.

www.vocaltec.com