

Manage Application SLAs via In-Depth Service Performance Visibility and Analytics

Vision Analytics for Alteon is Radware's service-level agreement (SLA) and event management visibility platform. It provides visibility into application performance as well as a detailed breakdown of the various application chain components (i.e., servers, networks, clients). Coupled with Radware's powerful Application Performance Monitoring (APM) tool, it provides root-cause analysis that enables collaboration between application, network and security administrators, so they can proactively manage the health of application and network services.



A SINGLE PANE OF GLASS

Vision Analytics for Alteon provides a unified view of all application and network security events by being integrated with Radware's application delivery and distributed denial-of-service (DDoS) mitigation solutions

DRILL-DOWN REPORTING

It provides real-time and historical data analysis, including out-of-the-box and customer-defined reports to manage SLAs — per application, per transaction, per user location and per application server



SSL/TLS PROTOCOL ANALYTICS

Monitor your SSL-encrypted traffic, identify protocol anomalies in real time and optimize protocol version deployment and support

PERFORMANCE REPORTING

Keep stakeholders synchronized with periodic reports exported in intuitive formats to guarantee that key performance indicators (KPIs) are met



What Does Vision Analytics for Alteon Include?

Vision Analytics provides a powerful tool for managing user-defined SLAs. Vision Analytics' reporting engine shows both the absolute delay of an application and a metric that compares it to its user-defined SLA, so users can understand applications that are in SLA breach. Vision Analytics' dashboard provides a breakdown of delays caused by the application server and network.

Drill-down reporting allows for further root-cause analysis. Per-server delay reports, DNS delays, per-location delays and additional reports are provided. Network and application administrators can collaborate to manage application and network issues as they occur.

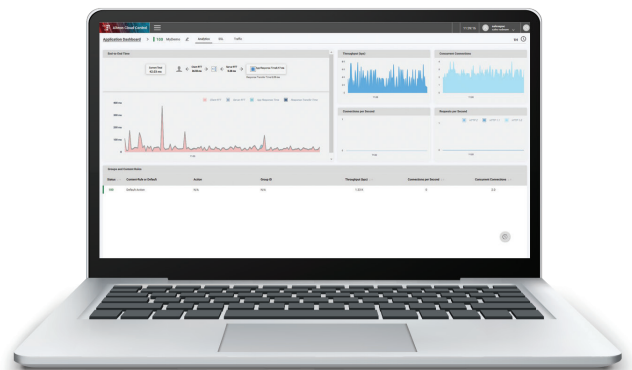


Figure 1: Vision Analytics' Main Dashboard

What Can I Do With Vision Analytics?

- ▶ **Quick Glance**
A services dashboard provides a clear view of all services being managed with a graphical breakdown of the delay contribution of each application chain component.
- ▶ **Fast and Intuitive Root-Cause Analysis**
View reports to understand which application or network components require attention.
- ▶ **Proactive Application Performance Management**
Vision Analytics for Alteon monitors application health and SLAs and sends alerts to administrators in the event that an SLA is breached, so they can react before complaints are received from end users.
- ▶ **Simplify Maintenance of SSL/TLS Communication**
As SSL/TLS protocols continue to evolve, client-server SSL/TLS handshake failure may occur. Vision Analytics' reporting engine provides insight into failures and provides maintenance of SSL/TLS solution deployments, especially for SSL offloading of perimeter security devices (i.e., SSL inspection solutions).
- ▶ **Monitor Application Delivery Devices and Infrastructure Health**
A single pane of glass monitors all ADC devices and shows which ones are reaching high CPU usage/network resources. Compare device utilization and make smart decisions about which services to move from one ADC device to another.
- ▶ **Weekly Reports and KPI Monitoring**
A granular report generator aggregates historical data and enables periodic generation of reports to review KPIs for managing application SLAs.

Analytics License Levels

The analytics module in Vision relies on information gathered by Alteon and sent in a standard CEF format so that any SIEM can read it. Some administrators only require basic information about application SLA and health, while others require a breakdown for deep root-cause analysis. Below are the differences between Alteon's basic and advanced analytics packages.

	BASIC	ADVANCED
License prerequisite	Alteon Perform and Secure license packages (no subscription required)	Alteon Perform and Secure license packages (subscription required)
Application dashboard	✓	✓
Per-application analytics	✓	✓
SLA breakdown (network, per server)	✓	✓
SSL statistics (handshake and cipher breakdown, rejected handshake)	✓	✓
System dashboard	✓	✓
Network dashboard	✓	✓
L4 events	✗	✓
Per-transaction type events (delay, user agent, response, headers)	✗	✓
SSL events (type of handshake, cipher and TLS version)	✗	✓

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