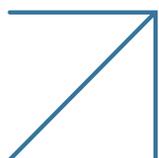


# Application SLA Service Performance Visibility and Analytics With APSolution Vision



APSolution Vision Analytics is Radware's SLA and event-management visibility platform. Integrated with the Vision management console, it provides intuitive visibility into application performance and a detailed breakdown of the different application chain components.

Coupled Radware's Application Performance Monitoring (APM) reporting tool, it provides fast root cause analysis for collaboration among application/network/security administrators to proactively manage application and services health.



### Single Pane of Glass for Performance and Security

Monitor all application performance and security status, with one source for alerts, notifications and reports about application SLA breaches and application attacks.



### Actionable Reporting

Current and historical data analysis, with drill-down reporting for actionable insight, fast root cause analysis and proactive SLA breach resolution.



### TLS/SSL Protocol Analytics

Monitor SSL encrypted traffic, identify protocol anomalies in real time and optimize protocol version deployment and support to maximize security and interoperability.



### Integrated Application Protection Analytics

Detailed application performance analytics for real-time handling of application attack incidents. Actionable reports regarding false positives handling that require little to no expertise.

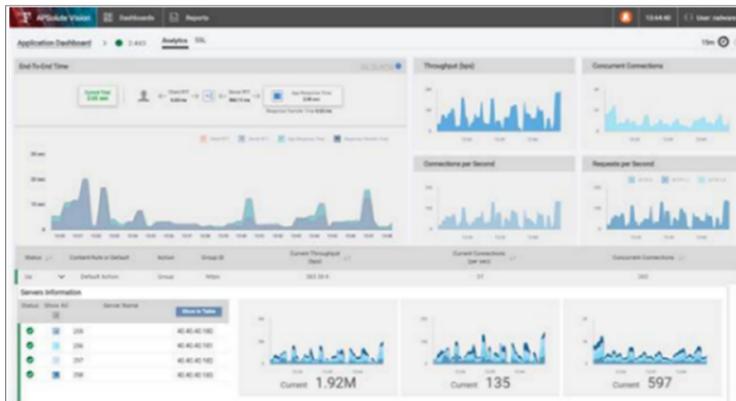
## What Does APSolute Vision Analytics Include?

APSolute Vision Analytics provides a powerful tool which enables ADC administrators and network managers to proactively manage application SLAs and identify SLA degradation and their source (e.g. application slow down or network delays) before they impact the user experience. Vision Analytics' reporting engine shows both the absolute delay of an application as well as a metric that compares it to its user-defined SLA for a visual understanding of which application is breaching an SLA. Vision Analytics' main application dashboard also provides a breakdown of the delay contributed by the application servers and the network.

Drill-down reports enable further refinement of root cause analysis, with per server delay reports (and historical reports), DNS delays, per location delay, and more. As a result, network and application administrators can work together to manage application and network issues as they occur.

**Figure 1**

APSolute Vision Analytics main dashboard



## Benefits of APSolute Vision Analytics

### ➤ Proactive Application Performance Management

A single screen that shows top SLA breaches in real time, with detailed information about application servers, network, client and cyberattacks for proactive assignment of the SLA breach resolution to the correct team.

### ➤ Intuitive and Actionable Root Cause Analysis

Intuitive reports enable fast isolation of SLA breaches by identifying which application or network component requires attention while providing a complete set of reports for fast and effective root cause analysis and actionable insights.

### ➤ Simplify Maintenance of SSL/TLS Communication

As SSL/TLS protocols are evolving, client-server SSL/TLS handshake failure may occur. APSolute Vision Analytics' reporting engine provides meaningful insights into such occurrences, enabling simple and effective maintenance of SSL/TLS solution deployments, especially for SSL offloading of perimeter security devices (i.e. SSL inspection solutions).

### ➤ Weekly Reports and KPI Monitoring

A granular report generator with aggregation of historical data allows for the generation of reports to review KPIs for managing application SLA.

## Analytics Licenses Levels

The analytics module in Vision relies on information gathered by Alteon and sends a standard CEF format that any SIEM can read. While Alteon's analytics is enough for proactive SLA management, root cause analysis requires more advanced and detailed information gathering and reports.

	Basic	Advanced
<b>License prerequisite</b>	Alteon Perform and Secure license packages (no subscription required)	Alteon Perform and Secure license packages (subscription required)
<b>Application dashboard</b>	✓	✓
<b>Per application analytics</b>	✓	✓
<b>SLA breakdown (network, per server)</b>	✓	✓
<b>SSL statistics (handshake &amp; cypher breakdown, rejected handshake)</b>	✓	✓
<b>SSL CPS</b>		
<b>System dashboard</b>	✓	✓
<b>Network Dashboard</b>	✓	✓
<b>L4 events</b>	✗	✓
<b>Per transaction type events (delay, user agent, response, headers)</b>	✗	✓
<b>SSL Events (type of handshake, cypher and TLS version)</b>	✗	✓

