Application Delivery and Security For On-Premise And The Cloud

Application delivery services are critical to ensuring the availability, performance and protection of applications deployed in any environment. Radware Alteon is an application delivery controller (ADC) that ensures application availability, performance optimization and security. It can be deployed as a physical appliance, virtual appliance or cloud appliance with a consistent feature set across all form factors and environments. Alteon provides advanced application delivery service programmability and its orchestration interfaces provide ADC services to non-technical users. Alteon's embedded Analytics deliver actionable insights so organizations can proactively manage application SLAs and protection.

LOWEST TCO & SIMPLIFIED DEPLOYMENT
Simplify application delivery planning and deployment via a single global elastic license (GEL) that enables ADC services to be allocated across any environment, thereby eliminating planning risks and reducing overall costs

INTEGRATED APPLICATION PROTECTION
Comprehensive application protection via embedded WAF, bot management, threat intelligence and API protection capabilities to ensure application availability, minimize false positives and keep applications and data secure

PREVENT AVAILABILITY AND SECURITY ISSUES BEFORE THEY OCCUR
Proactively manage application availability and security issues BEFORE the user experience is impacted by identifying network, application and security issues as they develop

SIMPLE TO OPERATE FOR NON-ADC EXPERTS
Allow both ADC experts and non-technical experts to automate operational tasks, deployment and maintenance processes to reduce workloads by upwards of 90% via Alteon's Operator's Toolbox

Application SLA Capabilities

Alteon provides an array of capabilities to ensure application availability/SLAs are continually optimized and ensured.

▷ Server load balancing, customizable health checks and global server load balancing ensures applications are served by the fastest responding server

▷ High performance SSL processing via dedicated SSL acceleration hardware for cost effective offloading of SSL encryption/decryption from the application server

▷ AppShape++ scripting library to allow for rapid customization of the ADC service for specific application flow and scenario; respond to coding errors and support new protocols with speed and efficiency

▷ Application performance optimization via embedded tools that include HTTP/2 gateway, compression and TCP optimization

▷ Operator Toolbox: Alteon's automation engine that reduces operational workloads up to 90%, minimizes human errors and allows both technical and non-technical users to manage ADC deployments and processes

▷ REST APIs that enable integration with leading orchestration solutions, including an extensive Ansible module library that facilitates the deployment and operation of Alteon ADC in DevOps environments

Comprehensive Application and Data Security Protection

Alteon provides integrated application security modules to ensure application availability and the security of applications and their data.

▷ ICSA Labs-certified WAF - enterprise-grade WAF delivering full web application and API protection, including OWASP Top-10 coverage, advanced attack protection and zero-day attack protection

▷ Bot management across web and mobile applications, combining behavioral modeling for granular intent analysis, collective bot intelligence and device fingerprinting.

▷ Dedicated API Protection by controlling navigation flow and fingerprint M2M communications to avoid invoking APIs that are accessed or targeted by misbehaving bots

▷ Threat Intelligence – real-time data feed of known attackers, identified by Radware's global network, to allow Alteon to block potential attacks before they occur or are identified

PROTECT YOUR ADC INVESTMENT AND OPTIMIZE TCO

The adoption of private and public cloud infrastructure doesn't have to result in losing or replacing your organization's investment in legacy ADC appliance. Alteon GEL extends application services to any private or public cloud environment using a single, global elastic license.

Radware's GEL is a dynamic licensing mechanism which enable customers to buy a single application delivery and security license to simplify deployment and planning.

▷ Environment agnostic - allocate and move ADC capacity across any environment (private data center, private cloud, public cloud) or form factor

▷ Elastic allocation of ADC licenses based on infrastructure planning and needs

▷ Breaks down the GEL capacity to as many ADC instances as required

This eliminates application delivery and security planning risks, prevents double spending for different environments and allows for seamless licensing and deployment of ADC services anywhere they're needed.
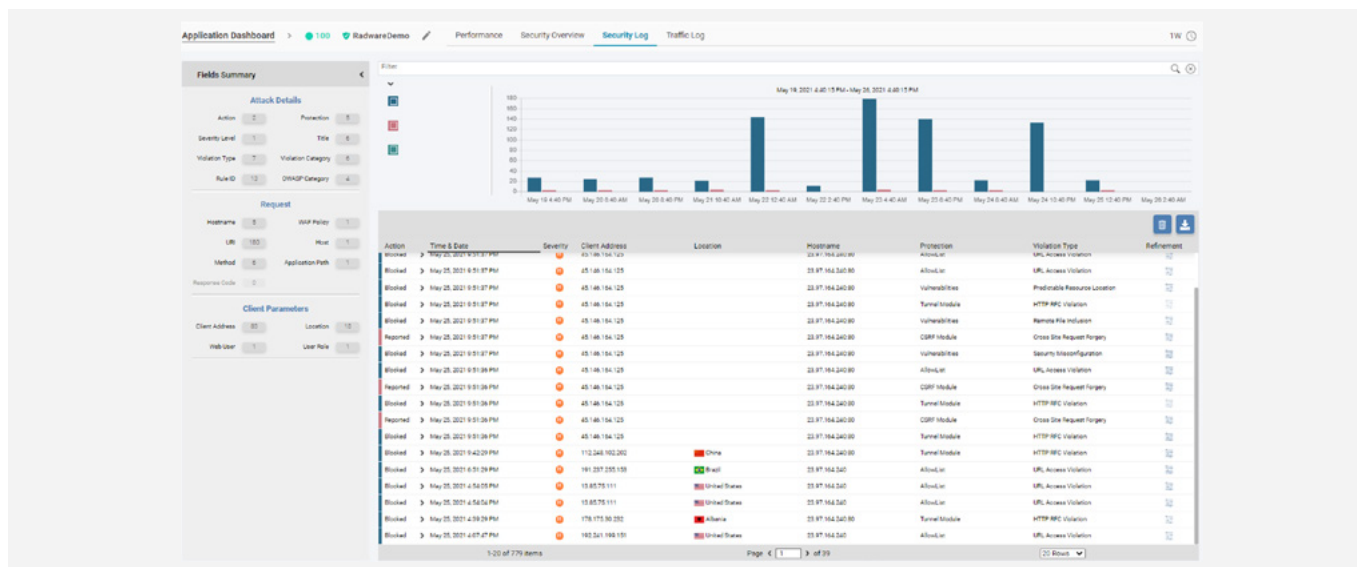
Figure 3 – Alteon's Actionable Analytics

SMART ANALYTICS – INSTANT ACTIONABLE INSIGHTS

Alteon analytics provides detailed reporting and information collects detailed information for each application it manages and protects.

Radware's GEL is a dynamic licensing mechanism which enable customers to buy a single application delivery and security license to simplify deployment and planning.

- Alteon's management solutions (Vision and cloud controller) provide a single pane of glass for all applications' SLA and security status.

- Covers both application performance, and security visibility under one unified tool

- Simple, intuitive reports for fast root cause analysis by technical and non-technical users

- Actionable insights, with correction recommendations from the analytics engine

- Various types of customizable reports providing insight to infrastructure managers as well as DevOps and application owners.

- North bound interface enabling native integration with 3rd party analytics and reporting tools such as Splunk, Grafana, Terraform and others