Barracuda's Application Delivery Controller

Highly demanding enterprise networks require full-featured application delivery that optimizes application load balancing and performance while providing protection from an ever-expanding list of intrusions and attacks. **The affordable Barracuda Load Balancer ADC is ideal for optimizing application performance and availability.** Advanced features for application optimization, geo-based load balancing, and integrated security put Barracuda's ADC far above other solutions for performance - and value.

Availability

In today's application-centric world, there is no such thing as "downtime." Applications must be there every time customers or clients want access. Barracuda's ADC provides a number of features that enable high availability both within a datacenter and across different sites.

High Performance

Built on high-performance hardware, Barracuda's ADC is designed for data centers. It delivers application traffic of all types and can scale to meet the throughput needs of the most demanding applications.

Smart Traffic Management

Intelligent traffic monitoring capabilities enable Barracuda's ADC to distribute traffic efficiently while ensuring high application availability. If Barracuda's ADC detects issues, it automatically removes downed servers from the server pool and rebalances traffic among the remaining servers.

High Availability

Deployed in high availability (HA) pairs, Barracuda's ADC delivers the high availability required by modern data centers. Barracuda's ADC will automatically synchronize configurations between the pair and automatically failover if any fault is detected with the primary unit.

Global Server Load Balancing (GSLB)

For scalability and high availability across data centers, Barracuda's ADC can be deployed to balance traffic among sites located in different geographic regions. Organizations can route traffic using a variety of methods such as primary disaster recovery (DR) or closest geographical data center.

Acceleration

User experience is critical to success. Consequently, application delivery must be fast and scalable to meet performance requirements. Barracuda's ADC is ideal for optimizing application performance. Key capabilities include:

SSL Offloading

SSL transactions are resource intensive and can slow down application performance. Offloading the SSL transactions to Barracuda's ADC frees up application server resources to focus on delivering rich applications to end-users and ensures application scalability.

Content Caching

Barracuda's ADC improves the user's experience by increasing server response time. Caching web content saves network bandwidth and reduces loads on backend web servers.

Traffic Compression

To minimize bandwidth needs, Barracuda's ADC can automatically compress content to minimize network traffic between application servers and the end user. Best of all, this capability is compatible with most modern browsers, requiring no additional software.

Control

Application control enables organizations to deliver applications based on users, regions, and/or devices, resulting in an optimized experience for the end-user.

Content Routing

Barracuda's ADC has full traffic control and can route requests to servers based on region, device, browser, or a number of other factors. This enables organizations to deliver customized application responses to users.

URL Rewrite

URL rewrites allow the modification of incoming and outgoing HTTP traffic. This enables organizations to present customers different backend applications using intuitive and easy-to-remember web addresses.

Response Control

Barracuda's ADC has the ability to granularly control the number of requests to protect against rate-based attacks like Denial of Service (DoS). This gives administrators the ability to monitor traffic requests and to control suspicious responses.

IPv6/IPv4 Traffic Control

Barracuda's ADC supports mixed modes of deployment for IPv6/IPv4. Virtual IP (VIP) and server IP addresses can be either IPv6 addresses or IPv4 addresses. This gives organizations the flexibility to simplify and plan their infrastructure migration to IPv6 from their existing IPv4 networks.

Security

With the prevalence of cyber criminals, hacktivism, malware, bots, and other attacks, security is a must. Barracuda's ADC provides superior protection against data loss, DDoS, and all known application-layer attack modalities.

Complete Security & Web Application Firewalling

Barracuda's ADC provides industry-leading security to help organizations secure critical applications. It protects against OWASP Top 10 attacks such as SQL Injection, Cross-site Scripting, and Cross-site Request Forgery.

Session Protection

Most applications use cookies or hidden, read-only parameters for application session state and other sensitive information. Barracuda's ADC can encrypt or sign these tokens to prevent third party impersonation attacks.

Application Cloaking

The first thing hackers do is probe applications to gather information about the web servers, operating system, databases, and/or other infrastructure details. Then they create customized plans to attack the applications. Barracuda's ADC can cloak applications by suppressing HTTP headers, error codes, and other server details, thereby greatly reducing the risk of becoming the target of an attack.

Application DDoS Protection and GeoIP Blocking

Distributed Denial of Service (DDoS) attacks often leverage bots from a number of different regions to send a flood of requests to overwhelm application servers. Barracuda's ADC has the ability to rate control and to block client requests based on the source IP address. This greatly mitigates the risk of DDoS by allowing requests from only users in regions that are relevant to business and also limits the number of requests from the appropriate regions.

Data Loss Prevention

Barracuda's ADC also offers outbound content inspection for Data Loss Prevention (DLP). It prevents data leakage by either masking or blocking responses containing sensitive information such as credit card numbers or any custom data patterns.

For more information or to request a risk-free 30 day trial, visit www.barracuda.com/adc