Leading Hosting Provider Required Innovative Advanced Server Load Balancing Solution

Company:
- LeaseWeb

Industry:
- Service Provider

Critical Issues:
- Hosting provider required high performing advanced SLB solution with no licensing fees and a plethora of features to satisfy customizable customer solutions.

Selection Criteria:
- Performance test results surpassed expectations and all-inclusive feature set model.

Benefits:
- Easy Adoption
- Greener Choice
- Improved Security
- Feature Rich
- No Licensing

Results:
- Proven reliability and flexibility to provide LeaseWeb with exclusive customer requirements in addition to excellent customer support.

> **"**Our internal test procedures proved A10 products performed up to and above our requirements. We have installed many A10 appliances and we plan to implement more once the need arises.**"**
>
> **Bastiaan Spandaw,**
> Lead Architect,
> LeaseWeb

Introduction

LeaseWeb is a growing provider of hosted infrastructure solutions, which include a portfolio that spans from traditional dedicated server hosting to cloud and colocation solutions, or hybrid solutions. As a prominent subsidiary of Ocom Group, LeaseWeb has been offering world class hosting solutions that support mission critical websites, Internet applications, email servers, security and storage services since 1997. In addition to a network uptime of 99.999%, LeaseWeb currently offers its customers an available bandwidth of more than 2.3 Tbps. LeaseWeb currently hosts some of the largest and most respected enterprises in Europe and in North America, spanning six data centers across the Netherlands, Germany and the United States. Similar to A10 Networks® "Customer Driven Innovation", LeaseWeb has a customer focused philosophy, which centers on commitment to customers of all sizes, from the very smallest user to the largest global customer, with industry surpassing customer service.

Advanced Server Load Balancing Solution with No Licensing Fees

To meet their customers' needs, LeaseWeb demanded a stable and high performance advanced Server Load Balancing (SLB) solution that included a comprehensive range of innovative features, with no licensing fees. LeaseWeb's supplier, Datapulse, was extremely satisfied with A10 and highly recommended A10's SLB solutions. After considering a few industry competitors, LeaseWeb conducted internal test procedures with A10 Networks' Application Delivery Controllers (ADCs), which proved themselves by performing above LeaseWeb's requirements. "Our internal test procedures proved A10 products performed up to and above our requirements," said Bastiaan Spandaw, Lead Architect. In addition, LeaseWeb was very pleased with the support and customer focus they received from A10's dedicated team.
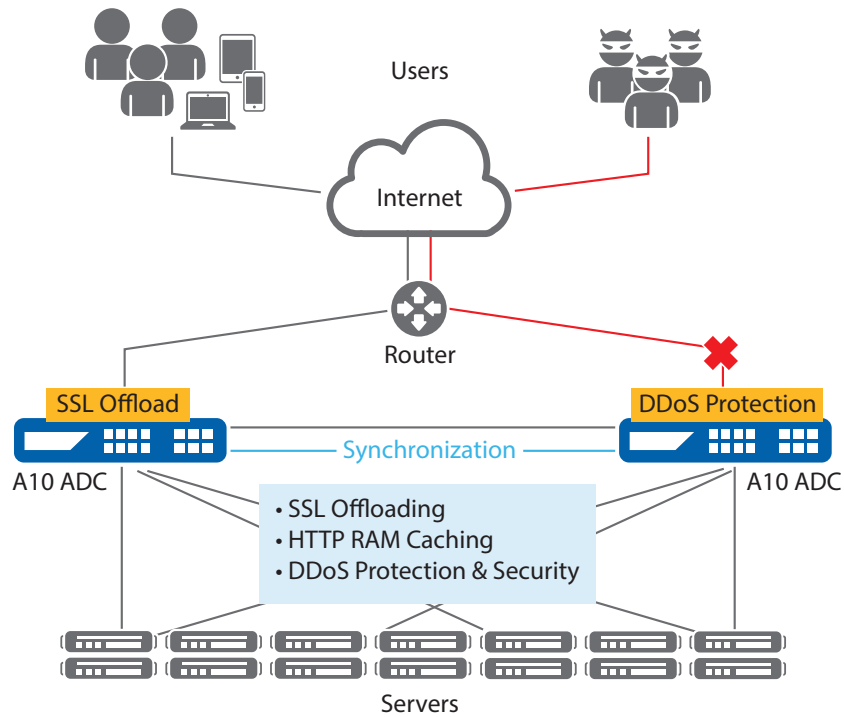
LeaseWeb's Application Delivery Landscape

High Performance, Innovative Features and Dedicated Support

LeaseWeb selected A10 ADCs for their own network use as well as for customer network needs. In addition to performance test results that exceeded expectations, and the dedicated support from the A10 team, A10 ADCs' all-inclusive innovative features, with no additional licensing fees, sealed the deal for LeaseWeb.

A10 ADCs presented LeaseWeb the following significant differentiators:

- **Unrivaled Performance:** The A10 ADCs' scalable symmetrical multi-processing (SSMP) architecture allows traffic to utilize multiple CPUs, without latency or blocking; applications run exponentially faster, especially during peak usage times. A10 Networks Advanced Core Operating System (ACOS®) defines a new generation of ADCs with greater performance and the greatest Performance per Watt (PPW), making A10 ADCs the most flexible, scalable and energy efficient solution.

- **Advanced SSL Offload:** Processing SSL traffic on the A10 ADC greatly increases transaction speeds, decreases server hardware requirements and provides ease of administration. A10 ADCs use dedicated SSL ASICs to relieve server hardware of the burden of managing CPU-intensive SSL traffic. This is extremely important with the industry's rising standards for SSL encryption levels, in addition to consolidating SSL processing to a single point.

- **Dynamic HTTP RAM Caching:** A10 ADC improves the web experience of LeaseWeb's customers' end-users, with the advanced HTTP RAM Caching feature, which improves application response time by offloading request-fulfillment

for repeatedly requested content from the servers. A10 ADC provides faster client download for HTTP/HTTPS objects and improves web server scalability.

- **Improved DDoS Protection and Security:** A10 ADC detects and stops Distributed Denial of Service (DDoS) attacks, from its position in front of the network. Purpose-built ASICs provide a series of customized options to offload attack detection, supporting a proactive security stance of attack prevention without performance compromise. In addition to DDoS mitigation, A10 ADC provides a Web Application Firewall (WAF) and Application Access Management (AAM) module for added security, at no additional cost.

- **Easy Adoption:** A10 ADCs' intuitive web-based GUI and industry-standard CLI provide LeaseWeb IT engineers with flexible management options and easy deployment. A10 ADCs' wide range of active monitoring capabilities enables administrators to effectively observe activities, and also provides detailed reporting. Furthermore, A10 ADC provides administrative resources that allow granular access with role-based access control.

- **Greener Choice:** A10 ADC is the industry's most energy efficient platform. The scalable ACOS architecture, with shared memory, provides the foundation for the industry's most energy-efficient ADC. All A10 ADC appliances set a new green standard in compact form factors with high performance, a smaller footprint and less power consumption versus competitors. This results in the highest Performance per Watt (PPW) ratio, contributing to a superior return on investment (ROI).

- **No Licensing Model:** All A10 ADC hardware appliances deliver maximum performance and advanced software features without any additional licensing fees, ensuring no budget surprises and no need to purchase licenses during unforeseen peak loads. All innovative features are included with all A10 ADC models, with a no licensing model that is unheard of within the industry. In addition, annual support costs are significantly lower than those of industry competitors.

Proven Reliability for Customer Satisfaction

LeaseWeb's successful deployment of A10 ADCs was seamless and the performance proved to be reliable. A10 ADCs fit LeaseWeb's requirements of an advanced SLB solution capable of meeting its standards to offer flexible solutions to customers, and with a broad range of features. Bastiaan explained, "Once the need arises we plan to implement more products from A10 Networks." The A10 ADC is an established solution, helping organizations such as LeaseWeb to accelerate, optimize and secure their applications.

About A10 Application Delivery Controllers

A10 ADC is a scalable, high-performance Application Networking platform that delivers enterprises, Web properties and ISPs superior reliability and an energy efficient footprint for lower total cost of ownership (TCO). With A10 ADCs, customers of all sizes benefit from application availability, scalability and performance; increased infrastructure efficiency and a faster end user experience. A10 ADCs have a comprehensive Layer 4-7 feature set and flexible virtualization technologies such as Virtual Chassis System (aVCS), multi-tenancy and more for public, private and hybrid cloud environments. In addition, A10 ADCs lead in IPv6 migration technologies with many large scale deployments worldwide.

A10 ADCs deliver industry-leading return on investment (ROI) by leveraging A10's 64-bit Advanced Core OS (ACOS), with a scalable shared-memory parallelism architecture that leaps the competition in scalability and flexibility.

For more information, visit: www.a10networks.com/products/application_delivery_controllers.php

About A10 Networks

A10 Networks is a leader in application networking, providing a range of high-performance application networking solutions that help organizations ensure that their data center applications and networks remain highly available, accelerated and secure. Founded in 2004, A10 Networks is based in San Jose, California, and serves customers globally with offices worldwide. For more information, visit: **www.a10networks.com**