

Virtual &  
Rackable  
Appliances

### Performance and Quality of Service for mission-critical application platforms

**Faster, more reliable and more secure application platforms**

Exceliance has designed and developed the ALOHA Load Balancer to address these issues. Its extensive range of **appliances improves performance, guarantees quality of service, and ensures application availability**, while automatically balancing traffic and requests across application or web servers. Once you have deployed ALOHA solutions, you can manage your information system more effectively and smoothly (knowledge and control of the IS, anticipation of needs, etc.).

**Reliability, performance, and a rich feature set at a reasonable price**

Most ADC (Application Delivery Controller) products on the market are impractical due to their complexity or their amount of useless features aiming at attracting techies users. All this has a great impact on the price to pay ! ALOHA load balancer appliances meet all the needs of 95% of businesses, and are **simple to deploy and administer and at very competitive prices.**

### Improved performance, reliability and security

Initially developed from HAProxy, the most widely used open source load balancer software in the world, the ALOHA LB range of products offers one of the best features/performance/price ratio on the market.

**Optimize performance**

ALOHA dynamically adjusts the number of connections by creating wait queues. This mechanism balances **the load across servers and accelerates request processing.**

ALOHA also optimizes both static and dynamic content management. This technique, called '**content switching**', directs flows and requests by type and by requested content.

All these features greatly **improve the quality of service** delivered to users: no more error pages or slow response times.

**This site is temporarily unavailable**

The emerging bandwidth availability allows many innovative ways of using the Web and Internet. **These includes teleworking, remote access to applications, corporate extranets, online collaborative workspaces, applications «on demand» (Software as a Service) as well as many e-commerce web sites.**

All these new uses are creating a strong dependence between businesses and their application servers or their Web services : strong latency and poor availability of the platforms may result in a negative image and may even impact both sales revenue and productivity.

Why an ALOHA ?



Reverse proxy  
**Reliability**  
French R&D  
**Cloud ready**  
24/7 Support  
**100% Software Performance**  
**IPv6**  
Rich functionalities

## Prevent problems

ALOHA provides several indicators to prevent problems and optimize application performance.

By determining the optimal connection threshold of each server, you can keep servers running at full throttle while **guaranteeing customer service levels**, regardless of the load.

Detailed logs with a millisecond accuracy let you quickly identify any performance problem or to pinpoint any weakness or failure in order to optimize your applications or even your servers or network architecture.

The ALOHA Load Balancer can quickly isolate a defective server in a few milliseconds by interpreting a series of incorrect status codes.

## Improve security

The ALOHA Load Balancer includes many dedicated features, easy to configure, to help you **improve the security of your Web application**.

The ALOHA Load Balancer controls in real time the protocol compliance of each request in order to protect the applications against malicious attacks and ensuring the **continuity** of the data chain.

Furthermore, you can mask, filter or rewrite requests and response headers in order to prevent exploitation of web servers vulnerabilities or for example, accidental data leaks.

## Optimized network architecture

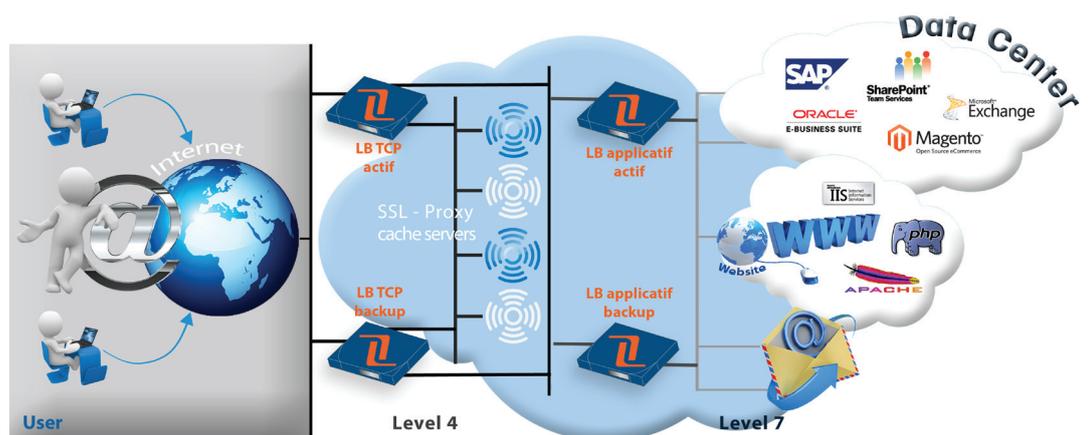
**HIGH**  
availability  
**HIGH**  
performance

The activity and productivity of today's companies are based extensively—if not completely—on their information system, whether managed in-house or outsourced. IT departments need to capitalize on their legacy systems, anticipate future needs, and justify their investments.

ALOHA load balancers offer one of the best feature/performance/price ratios on the market, allowing you to:

- offload systems,
- increase overall processing power available from server groups,
- extend the lifespan of your legacy infrastructure.

Load balancers make your architecture more agile and scalable, to better fit to your business needs.



## A «state-of-the-art» architecture does NOT have to be expensive !

ALOHA Load Balancers optimize server performance so you can use lighter servers. Even when deployed in large numbers, these machines are easy to administer, **more flexible and require less energy** than traditional servers.