WEBSCALE

WEBSCALE CLOUD LOAD BALANCER

INTELLIGENT LOAD BALANCING FOR INSTANT RESPONSE

OVERVIEW

Webscale is a converged multi-cloud application delivery platform, built on a foundation of software-defined application delivery controllers (ADC) and incorporating powerful features, such as automated content optimization for performance, predictive auto-scaling for right-sized infrastructure and lower costs. The Webscale platform also features an intelligent cloud load balancer that maximizes usage of application infrastructure by optimally distributing traffic to resources with available capacity.

A CONVERGED MULTI-CLOUD PLATFORM

Webscale is a software as-a-service (SaaS) with a simple monthly subscription plan. Any web application (HTTP/HTTPS) hosted in a public, private or hybrid cloud, or architected over multiple clouds, can be delivered, accelerated, stabilized and secured using the Webscale platform. Delivered as a true cloud-based Software-as-a-Service, Webscale's solutions require no hardware, software or cloud instance to install and maintain.

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Managing high website traffic while maintaining consistently high performance is critical to the success and user adoption of any web application. The Webscale Cloud Load Balancer provides application-aware Layer 7 (L7) load balancing across application server instances, ensuring the efficient use of cloud infrastructure for an optimal user experience.

PRODUCT HIGHLIGHTS

PREDICTIVE SCALING

The Webscale Cloud Load Balancer looks ahead of traffic surges and scales out its resources to meet network and CPU demands and to offload the backend for critical tasks. This maximizes application resiliency ensuring 100% uptime for all customer web applications.

SSL OFFLOAD

The Webscale Cloud Load Balancer can terminate SSL/TLS (HTTPS) transactions thereby offloading the decryption of traffic sent via the SSL security protocol. This improves processing capacity at the application layer, freeing up resources for other critical tasks. Webscale also manages SSL/TLS certificates, automatically procuring, deploying and managing certificates on the customer's behalf.
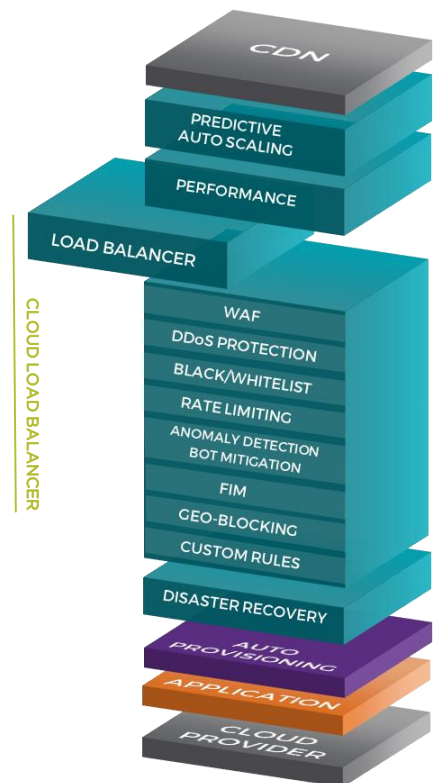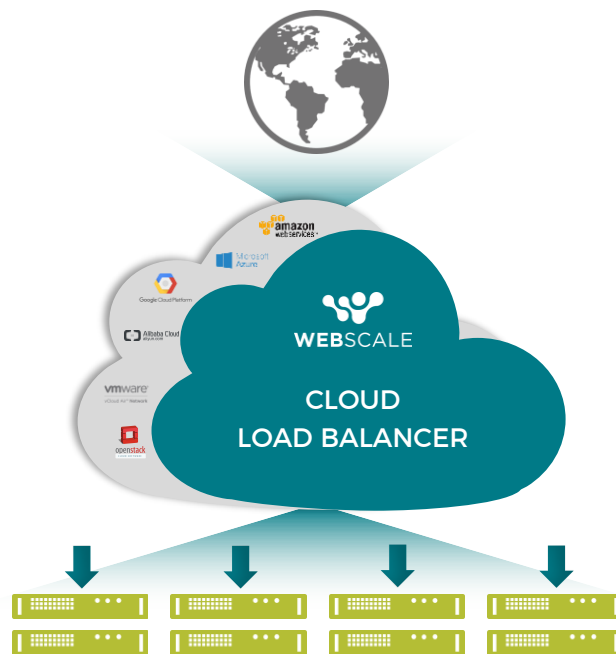
HIGH AVAILABILITY

Web applications are best architected by distributing application instances across different availability zones or regions of a cloud provider. The Webscale Cloud Load Balancer automatically distributes traffic evenly, thereby ensuring the application is always-on, even during unplanned outages. In doing so, Webscale maximizes usage of application infrastructure in the cloud, reducing the load on any one specific resource.

ACTIVE APPLICATION MONITORING

Webscale improves visibility into web applications by monitoring the status of the active resources behind the cloud load balancer, as well as delivering analytics on traffic being served. Webscale can also identify, in real-time, a failing application instance and immediately stop directing traffic to that instance, as well as alert administrators to the critical condition.

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KEY FEATURES

- L7 Load Balancing

- Content-based routing

- Path-based routing

- Sticky sessions (session affinity)

- Predictive scaling

- High availability

- Active application monitoring

- Multi-cloud support
  - AWS
  - Google Cloud
  - Microsoft Azure
  - Aliyun
  - OpenStack
  - Vcloud Air
  - Additional cloud providers may be added upon request

- RESTful API

- SSL/TLS Support
  - TLS 1.1
  - TLS 1.2
  - Certificate management

- Supported protocols
  - HTTP(S)
  - HTTP/2

Webscale is a pioneer of integrated multi-cloud application delivery in the cloud. Delivered as-a-Service, Webscale allows businesses of all sizes to benefit from a converged platform that delivers predictive auto- scaling, load balancing, high performance, outage prevention, comprehensive security and simple management across cloud providers. Webscale is enabling mid-market e-commerce and enterprise customers with a platform focused on seamless automation, using deep analytics and machine learning. The company is headquartered in Silicon Valley, CA, with offices in Boulder, CO and Bangalore, India. For more information, please visit:

www.webscale.com