

Productize at Scale with Stateless Akros



As a cloud service provider, you have begun to institute new networking technologies like network function virtualization. While these technologies can work for single deployments, many providers are finding that instituting them in large multitenant networks is impossible.

Stateless Akros is a multitenant network services platform that makes managing your large scale network effortless.

With Akros, you will be able to quickly deploy network services at scale thanks to per tenant quality of service (QoS), efficient resource allocation and native high availability (HA).

Per Tenant Quality of Service (QoS)

Akros controls the resource consumption of each tenant to guarantee QoS in a multitenant environment. Upon configuration, you can configure a custom bandwidth range for each tenant. This range can be modified at any time via Web UI or API call. QoS parameters can be applied across all of a tenant's connected network resources, or network service chain.

You can guarantee performance in a multitenant environment in a way never before possible without having to worry about performance across network appliance hops.

Tenant Elasticity

Akros comes to life in a clustered architecture. This allows tenant traffic to be automatically allocated across multiple servers throughout the system based on resource requirements.

If traffic for a given tenant increases, the workload can scale across multiple servers in the cluster, while maintaining QoS parameters. Even the most dramatic of spikes that would bring other systems down can be handled gracefully with Akros.

Scale-Out

The clustered architecture also enables horizontal scale-out. Performance is delivered in a linear fashion and x86 servers can be introduced to the system on a node-by-node basis at any time. Servers can be added in a live environment so you don't have to worry about downtime or jeopardizing SLAs.

Native High Availability (HA)

The cluster architecture of Akros also enables native high availability. In the case of hardware failures or network hiccups, workloads are automatically redistributed to healthy servers within the cluster without operator intervention or 2N configurations. Resource utilization is continuously monitored for load spikes and tasks are intelligently redistributed, ensuring continuous delivery of steady performance.

About Stateless

Stateless was founded with the mission of making sophisticated networks dead simple to manage. We believe in partnering with our customers to turn networking into a competitive advantage and unleashing the power of their infrastructure stack. To learn more, visit us at BeStateless.com.