Elastic network and application services for the private cloud
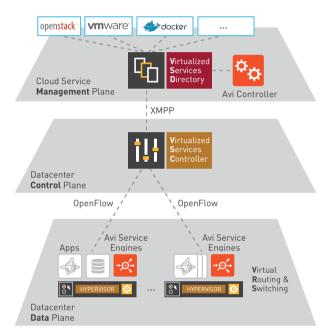
Powered by Nuage Networks and Avi Networks

Solution overview

- Integrated solution to accelerate application delivery on multicloud or OpenStack environments

- Automated application services beyond load balancing

- Modern APIs integrated directly into OpenStack Horizon for Load-Balancing-as-a-Service (LBaaS)

- Self-service provisioning for application owners and developers, reducing application time-to-value

- Software-defined application services decoupled from infrastructure

Solution for:

- Organizations with multicloud initiatives with cloud-native applications

- Enterprises evaluating ADC refresh for a software-defined approach

- Forward looking CIOs, network administrators, and cloud architects.

- Extends the value of software-defined network consumption to application services
- Supports enterprise-grade L4–L7 network and application services
- Provides unified control and management with integrated analytics and visibility
- Enables multicloud deployment scenarios
- Reduces risk with infrastructure that can scale on demand
- Enables 'OpenStack-as-a-Service' by supporting multiple hypervisor stacks

Together, Nuage Networks® and Avi Networks have created the ability to deliver a software-defined approach for providing network and application services while eliminating dependencies on proprietary hardware.

As you expand your investments in private cloud initiatives, you face several challenges such as security, compliance, customization, and cost.

The Nuage Networks Virtualized Services Platform (VSP) provides Software Defined Networking (SDN) capabilities for clouds of all sizes, making the network as readily consumable as compute resources.

The Avi Vantage Platform from Avi Networks takes a software-defined approach to delivering application services beyond load balancing. Avi Vantage enables a distributed data plane with central management.

Deploying the Avi Vantage Platform alongside the Nuage Networks VSP gives you enterprise-grade features:

- Application availability
- Visual and actionable insights
- Security
- Resiliency
- Multitenancy
- Elastic scalability
- Operational simplicity

Avi Vantage extends the next generation software-defined solution from Nuage Networks, the VSP, to enable a software-only solution that can help you realize >70 percent TCO reduction.

No proprietary or purpose-built hardware is required since all components install in OpenStack, VMware and Docker environments.

AVI
Networks®

Nuage Networks VSP and Avi Networks Avi Vantage Platform

The Avi Vantage Platform can be deployed alongside the Nuage Networks Virtualized Services Platform (VSP).

Business benefits

- Rapid deployment of multitier applications integrated with continuous integration/ continuous deployment (CI/CD) initiatives

- Deployment of applications and application services in multicloud environments

- Autoscale capability to match network conditions and user demand

- Software-only solution that can be deployed on standard x86 hardware, reducing TCO by >70 percent

Accelerating application delivery

Built on software-defined principles, the Avi Vantage Platform enables accelerated application service delivery, extending the value delivered by the Nuage Networks VSP.

The joint solution delivered by Nuage Networks and Avi Networks is a unique combination of network abstraction, automation, and flexibility.
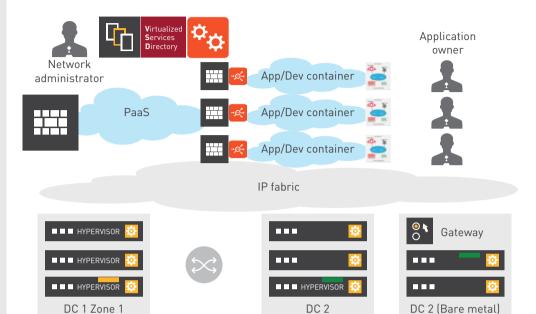
About Avi Networks

Avi Networks delivers public-cloud-like agility for application services beyond load balancing including deep application analytics, predictive autoscaling, and security in the data center or public cloud. The Avi Vantage Platform delivers elastic, software-defined application services on commodity x86 servers, VMs, or containers matching the automation needs of private or public cloud initiatives.

Learn more at:
www.avinetworks.com

Capabilities:

- L4–L7 service insertion without custom packages
- Round-trip timing information and visibility into application performance
- Real-time scaling of services to mirror application requirements

Together, Nuage Networks and Avi Networks enable self-service provisioning for faster application delivery, enabling your IT team to roll out elastic application services tailored to business and application needs.

Benefits:

- Quick L4–L7 service insertion
- Service fabric automation
- Simplified L4–L7 policy creation
- Unified point of control
- Predictive autoscaling
- Visual and actionable insights into application performance
- Rapid troubleshooting
- Reduced TCO of >70 percent
- 100 percent software solution

About Nuage Networks

Nuage Networks strikes at the heart of the cloud networking challenge: choreographing datacenter and wide area networks to maximize responsiveness, utilization and visibility. Nuage Networks delivers a highly programmable infrastructure that bridges the gap between the application-centric view and the equally important network-centric view, realizing the full power of SDN. The Nuage Networks solution combines groundbreaking SDN and virtualization techniques with unmatched networking expertise to deliver a massively scalable solution that consistently spans datacenters and remote locations. Our solution enables enterprise IT to respond instantly and securely to the demands of users and applications anywhere.

Discover more at www.nuagenetworks.net/partners and follow us @nuagenetworks