

Implement and Migrate Load Balancing

VCF Professional Services

At a glance

Modernize and scale your application delivery infrastructure with software-defined VMware Avi Load Balancer faster with assistance from services experts.

Key benefits

- Rapidly deploy load balancing and container ingress.
- De-risk migration of legacy virtual services.
- Achieve cross-site application resilience and traffic distribution faster.
- Empower teams with targeted knowledge transfer.

Modern application architectures demand agile, software-defined application delivery that scales dynamically across virtual machines and Kubernetes container environments. Hardware-centric legacy application delivery controllers often introduce operational friction, complex maintenance overhead, and limited visibility. Transitioning to software-defined load balancing requires specialized architecture expertise to integrate multi-site environments, streamline container ingress, and safely migrate legacy virtual services without disrupting business operations. VMware Pro Cloud Services™ can help.

Service overview

VCF Professional Services designs and deploys a single- or multi-site VMware Avi™ Load Balancer solutions including seamless migrations from legacy platforms such as F5, Citrix NetScaler, NGINX, and VMware NSX-T Load Balancer. Leveraging field-tested reference architectures and best practices, our experts deliver a standardized, low-risk implementation.

Single-Site VMware Avi Load Balancer Architecture and Implementation

Our experts conduct solution design workshops to identify customer use cases. The team designs and deploys VMware Avi™ Load Balancer solutions providing native integration with VMware Cloud Foundation® (VCF) as per VMware best practices and recommendations. The solution provides load balancing for legacy and modern applications with automated container ingress provisioning across VMware vSphere® Supervisors and guest VMware vSphere® Kubernetes Services clusters using the Avi Kubernetes Operator (AKO). Additionally, advanced routing and policy enforcements are configured using AKO Custom Resource Definitions based on customer requirements.

Learn more

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Multi-Site Avi Load Balancer Architecture and Implementation

Services experts deliver a robust multi-site application delivery solution designed for high availability and resilience. Our experts conduct solution design workshops to identify cross-site application availability goals and use cases. The team designs and deploys an Avi Load Balancer platform across multiple VCF management and workload domains to provide local and global load balancing services. Avi Kubernetes Operator is configured to automate ingress provisioning across vSphere Supervisors and guest VMware vSphere Kubernetes Services clusters and Avi Multi-Cluster Kubernetes Operator (AMKO) is deployed across multi-cluster container environments to automate GSLB service provisioning. Additionally, advanced routing and policy enforcements are configured using AKO and AMKO Custom Resource Definitions based on customer requirements.

Legacy Load Balancer Migration and Cutover Assistance

Our experts conduct migration assessments and design workshops to evaluate legacy ADC deployments and customer use cases. The team deploys the Avi Load Balancer Conversion Tool (vACT) to automate seamless migration of virtual services (including F5 iRules, if applicable) from legacy platforms such as F5, Citrix NetScaler, NSX-T LB, NGINX to Avi Load Balancer. Our experts provides traffic cutover assistance as needed.

The team provides solution documentation and ensures knowledge transfer to enable seamless Day-2 operations.

Benefits

Partnering with VCF Professional Services accelerates time-to-value and de-risks solution implementation. Our experts use field-tested architectures and automated tools to migrate from legacy platforms modernizing the ADC infrastructure for rapid scaling and provisioning of application services.