NSX Advanced Load Balancing for Oracle Cloud VMware® Solution

KEY BENEFITS

Quick Provisioning
Accelerated application provisioning with zero-touch L4-L7 service lifecyclemanagement.

Full-Featured Load Balancing Enterprise-grade software load balancer combining the capabilities ofa traditional load balancer appliance with elasticity and automation.

Self-Service
100% REST APIs enable policy-driven self-service for app developers and automation for IT administrators.

Application Analytics
Real-time insights into application performance, security, and end userinteractions.

Distributed Architecture
Central control and policy management for distributed pool ofload balancing resources.

Hybrid-Cloud Load Balancing
Consistent features across on-premises and Oracle Cloud VMware Solution SDDCs.

GSLB across application deployed on-premises and in Oracle Cloud VMware Solution.

Security
Security insights and health scores, mitigate DDoS attacks. Easy-to-configure WAF to enable web application firewall, with both machine learning based application security and pre-canned or customizable OWASP ruleset.

Multiple Application Environments Increase Complexity

Workloads now span on-premises and cloud environments, which significantly increases complexity for IT teams. For example, application networking functions that are effective in the data center may not work in the cloud, and cloud provider solutions may not work in the data center. Enterprises need to seamlessly integrate infrastructure environments to enable better workload portability and create consistent delivery of application and networking services across on-premises data centers and the cloud.

NSX Advanced Load Balancer + Oracle Cloud VMware Solution = Speed, Simplicity and Flexibility

VMware NSX® Advanced Load Balancer™ provides a next-generation application delivery fabric that spans on-premises and cloud environments. The centrally managed solution consists of a Software Load Balancer and context-aware Web Application Firewall that provides automation, analytics, and security for all applications across hybrid environments.

Oracle Cloud VMware Solution is the fastest and easiest way to extend, migrate and run your VMware-based applications in Oracle Cloud without changes to your apps, tools or processes.

Oracle Cloud VMware Solution is a fully customer managed service that lets you run the VMware vSphere, vSAN, NSX-T and vCenter in Oracle Cloud. The solution provides you with VMware operational continuity so you can benefit from a cloud consumption model and lower your total cost of ownership. The solution also offers on-demand provisioning, pay-as-you-grow, and capacity optimization.

The solution is fully compatible with your existing VMware tools, processes, and skills training. This compatibility enables your team to manage workloads without disrupting existing policies, such as those related to networking, security, data protection, and auditing.

Oracle Cloud VMware Solution Key Benefits:

Oracle Cloud VMware Solution Enables your VMware environment to run natively on Oracle Cloud bare metal, single-tenant infrastructure in all Oracle Cloud regions and fully integrates with the rest of Oracle Cloud. Oracle manages the underlying infrastructure while you manage all the networking and management services so you can consume the VMware platform efficiently and securely in the same way that you do in your own environment.

vmware®

Oracle Cloud VMware Solution is ideal for customers who want / need to:

• Continue running their workloads in fully compatible SDDC stack with reduced physical infrastructure burden on IT while maintaining full administrative control.

• Protect on-premises VMware environments with frequent backups and disaster recovery into Oracle Cloud.

• Increase business agility by unlocking intelligent insights with Oracle Cloud's range of data management and analytics services.

• Add agility to their on-premises VMware vSphere-based environments by extending them to Oracle Cloud.

• Take advantage of flexible capacity management as the service provides all the hardware and VMware licenses you need to run a dedicated VMware SDDC in Oracle Cloud.

Elastic, Automated, and Analytics-Driven Application Delivery Across VMware and Google Cloud VMware Engine

NSX Advanced Load Balancer, is a 100% software application delivery solution that runs across containers, virtual machines, and bare metal—on-premises and in the cloud. The platform provides elastic L4-L7 load balancing as well as detailed analytics for the application, infrastructure, and end-users. By separating the data and control plane, ot can provide centralized management and consistent operations across hybrid cloud environments and is ideal for enterprises with cloud migration and hybrid cloud initiatives.

NSX Advanced load Balancer for Oracle Cloud VMware Solution addresses two use cases:

App Migration - Enterprise-Class Elastic Load Balancing for Oracle Cloud VMware Solution

Enterprise-class Elastic L4-L7 Load Balancing for workloads in Oracle Cloud VMware Solution provides a cloud-native experience but with a powerful enterprise-class app delivery feature set across availability, security, and real-time application performance monitoring.

Hybrid-Cloud Load Balancing for Data Center Extension

Extend consistent operations across on-premises VMware based workloads and Oracle Cloud VMware Solution, with ability to scale workloads in either environment using Avi's GSLB and Elastic LB capabilities.

Contact Us:

To learn more about NSX Advanced Load Balancer on Oracle Cloud VMware Solution, please visit: NSX Advanced Load Balancer
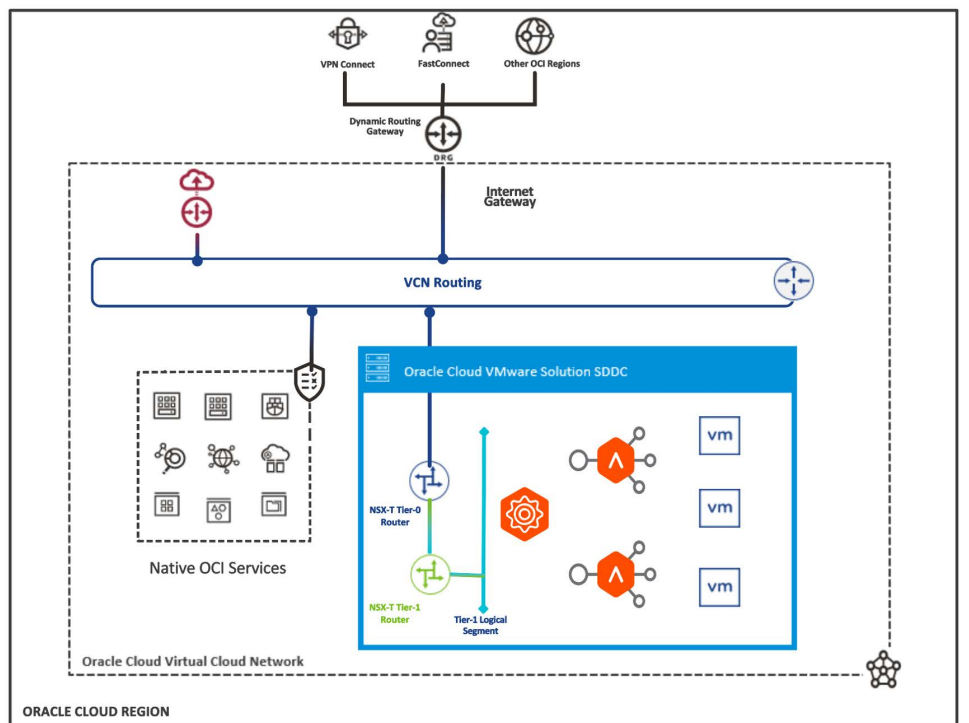

Figure 1: NSX Advanced Load Balancer in Oracle Cloud VMware Solution