

NetScaler on Microsoft Azure

Lights up your applications in the cloud

Cloud computing has fundamentally changed the way an enterprise deploys and uses business resources. Consequently, your network has become the single most important path to your corporate assets.

Citrix NetScaler on Microsoft Azure is a L4-L7 virtual networking appliance that ensures organizations have access to secure and optimized applications and assets deployed in the cloud.

Deploying applications and services in the cloud

Cloud networking is about leveraging cloud services to enable your IT to work more effectively and efficiently and with greater agility. Organizations require a cloud networking solution that optimizes their environment for high performance to achieve an always-on, always-secure foundation and application flexibility. In addition, they need the ability to balance compute load and manage traffic, with granular visibility into application performance and control for reliable application delivery.

Why NetScaler

NetScaler is a virtual application delivery controller (ADC) that provides the flexibility to establish a networking foundation that adjusts to the changing needs of an environment. It provides an interface between multiple applications across your on-premises resources and those deployed in your cloud environment.

Builds Scalability

- Supports widely deployed applications such as Citrix XenApp® and Citrix XenDesktop®, as well as specific workloads including Microsoft Exchange, SQL, and SharePoint
- Multiple model support providing HTTP throughput of 10 Mbps, 200 Mbps, and 1 Gbps to accommodate different workload requirements
- Integrate, deploy, and manage seamlessly through the support of AppExpert templates. Replicate exact configurations for organizations or modify existing templates

Strengthens Security

- NetScaler incorporates multi-application layer protection, including app firewall, data loss prevention, and counter-measures against denial-of-service (DoS) and other Layer 7 attacks
- Provides advanced security for applications that manage user-specific content: through session-aware protections of cookies, form fields, and session-specific URLs, protecting all interactions between users and servers
- NetScaler provides additional layers of protection, shielding downstream components from direct connections and thus reducing exposure to malware and other types of attacks.

Ensures Availability

- Manages multi-tenancy with policies that are tailored to specific needs for tenants whether they are defined as an application, line-of-business, or user
- Application availability and performance measuring keeps organizations connected and protected with room for growth
- Provides high-availability mode of operation to ensure that applications are continuously accessible

Citrix NetScaler on Azure provides a foundation for your network infrastructure without the physical limitations

Environment view

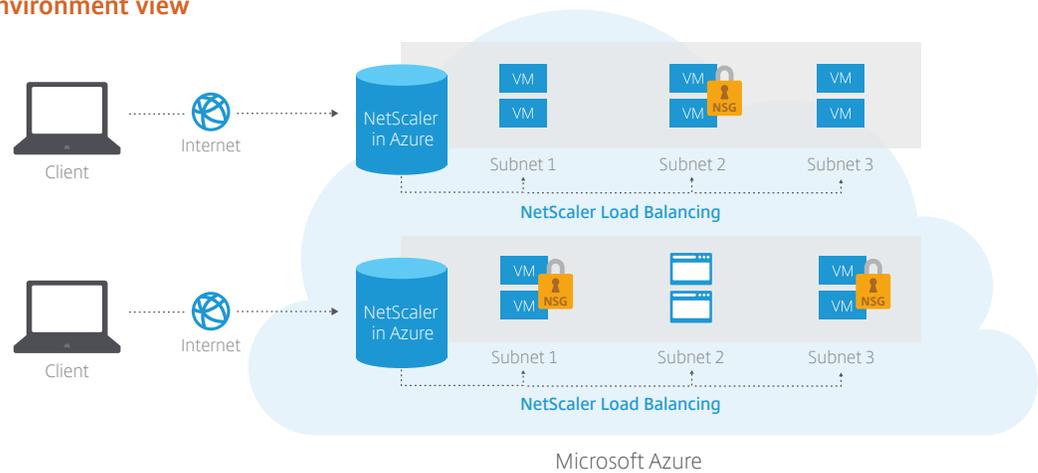


Figure 1: The figure shows an Azure topology with NetScaler VPX deployment. NetScaler routes traffic in and out of the Azure Virtual Network with two or more subnets within each virtual network. Customers can leverage Network Security Groups to control network traffic by providing a filter for each VM within a subnet. Each virtual network has a single NetScaler VPX deployed across it.

Simplified management and deployment

NetScaler on Azure allows customers to leverage and deploy on current and familiar infrastructure for quick and simple deployments

- Enables businesses to deploy to remote locations in minutes and operate their distributed networks via a cloud-based application, while maintaining centralized control and network visibility
- Accelerated application delivery with load balancing and L4-L7 traffic management that give organizations the competitive edge needed to operate at maximum efficiency
- Utilizes the Azure management portal for quick deployment of NetScaler virtual instances

On-demand connection and scale

NetScaler on Azure allows organizations to connect their environments from anywhere, with the same look and feel their IT employees are used to

- Secure remote access with Citrix NetScaler Gateway allows users to log on from a single point of access build-out to meet the needs of users based on roles, device, and network-increasing productivity
- Simple virtual application installation for users that can be deployed across one server or an entire cloud— leveraging the same binary that is already used when deploying NetScaler in the datacenter
- Superior user experience on Microsoft applications and workloads through performance enhancements such as compressing, load balancing, and SSL acceleration

Granular visibility and security

NetScaler on Azure puts you in control of cloud and application security with the visibility required to keep your foundation safe

- Seamless authentication, authorization, and auditing across web traffic with unprecedented control options
- Both NetScaler and Azure provide enhanced security and isolation for transparent caching of files for re-use
- Azure's virtual network creates a direct connection between local machines and Azure virtual machines, allowing customers to troubleshoot using the same tools used for on-premises apps

Deployment scenarios

- Production delivery through Azure Infrastructure-as-a-Service with offloading features, application acceleration, and enhanced security features
- Hybrid Cloud environment for ease of transition between applications and workloads hosted across on-premises datacenters and Azure
- Development and testing using Azure while running production on-premises speeding time to production
- Cloud Migration for organizations when eliminating on-premises data center and migrate to the cloud. Ideal for small to medium size companies who do not want to expand their data center continuously to meet their growing business needs
- Cloud Bursting for organizations whose on-premises application that reach its designed peak capacity. The extra demands are directed to the same applications running in Azure. Organizations will need infrastructure that is elastic, automated, and transparent user experience

NetScaler models

A variety of Citrix® NetScaler VPX™ Application Delivery controllers are available in Azure: the VPX 10, VPX 200 and VPX 1000.

Getting started

NetScaler on Azure is available today with pay-as-you-go licensing through the Azure Marketplace or leveraging perpetual licenses using BYOL.

[NetScaler on Azure Marketplace](#)

For further information

Please visit:

Citrixandmicrosoft.com

[NetScaler Application Delivery Controller](#)

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