

# Solution Brief

## Publishing VMware Horizon View with the Barracuda Load Balancer ADC

Confidently publish VMware Horizon View Services using the Barracuda Load Balancer ADC. The Barracuda Load Balancer ADC's high speed load balancing capability improves performance, enables geo-dispersed deployments and enhances end-user productivity. Built-in application security features allows you to secure the VMware Horizon View deployment against all types of application attacks.

### Challenges

- Efficient load balancing of VMware Horizon View deployments
- Fault tolerance and high availability
- Improving user experience for remote and mobile users
- Creating geo-dispersed VMware Horizon View deployments
- Deploying remote desktop services securely

### Solution

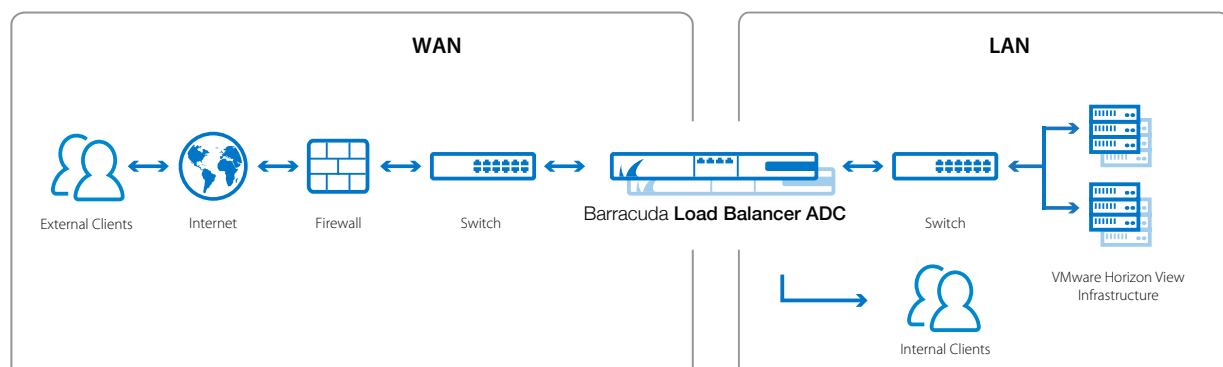
- Barracuda Load Balancer ADC
- Included Global Server Load Balancing (GSLB), session persistence, application security
- Up to 15Gbps throughput
- Physical and virtual form factors

### Benefits

- Performance-aware load balancing extracts the best performance from the VMware Horizon View deployment
- HTTPS, PCoIP and Blast Protocol capable
- High availability clustering and GSLB provide fault tolerance and disaster recovery abilities
- Session persistence ensures faster load times and improved user experience
- Global Server Load Balancing (GSLB) enables geo-dispersed deployments
- SSL/TLS offloading and application security capabilities to protect the deployment

### Introduction

Organizations worldwide benefit from Virtual Desktop Infrastructures. VDIs simplify the standardization and deployment of desktops and applications, reduce the cost of hardware and application licenses, improves resource accessibility to mobile users, and provide data security - especially in BYOD environments. VMware is the pioneer in Desktop Virtualization, and VMware Horizon View is one of the most popular VDI solutions in use today.



## The Barracuda Application Delivery Controller

### **Publish VMware Horizon View with confidence.**

When deployed with a single VMware Horizon View cluster, the Barracuda Load Balancer ADC provides application-aware load balancing to enhance the performance of the cluster. It continually probes the various View servers to understand their current load; the built in Adaptive Scheduling algorithm uses this information to direct users to the servers with the least load at the given time. This scheduling has two benefits – it ensures that server resources are not left idle and all the client requests are load-balanced; since users are directed to the servers with the least load, the virtual desktops perform better, improving user experience and productivity. The net effect of this is that a smaller cluster can more efficiently serve a larger number of users.

When moving to Virtual Desktop Infrastructure, the most important requirements are availability and resilience. Any downtime will seriously impact the productivity of the organization. VMware Horizon View does not provide fault tolerance by default. The Barracuda Load Balancer ADC can be deployed in a high availability cluster to front-end the server farm. It continually monitors the servers to ensure that they are healthy – if any of them goes down, the Barracuda Load Balancer ADC take it out of service, and moves users to other servers in the farm.

Global Server Load Balancing (GSLB) on the Barracuda Load Balancer ADC greatly improves availability and resilience as well. Multiple VMware Horizon View server farms can be deployed with the Barracuda Load Balancer ADC front-ending them. When GSLB is turned on, the ADC directs users to the nearest server farm. If the server farm goes down, it automatically redirects users to the next nearest server farm, leading to continual availability. GSLB also improves user experience and productivity – by directing users to the nearest server farm, the ADC reduces latency, leading to faster load times.

SSL Offloading on the Barracuda Load Balancer ADC allows you to provide a secure front-end for remote users. Offloading also allows the VMware Horizon View servers to focus on delivering virtual desktops and improves their performance. Integrations with LDAP/Active Directory, and RADIUS ensure that only authorized users are allowed to login to the VDI. The Barracuda Load Balancer ADC provides comprehensive traffic protection by encrypting all the connections between the VMware Horizon View connection servers and clients. Application security features ensures that all application layer attacks against your infrastructure are blocked.

## Application Delivery with Barracuda

Designed for today's high-traffic data centers, the Barracuda Load Balancer ADC is a high-performance application delivery controller that combines application acceleration, availability, and control with advanced security capabilities. Deployed by thousands of organizations worldwide, the Barracuda Load Balancer ADC is a robust, proven solution that manages and secures billions of application transactions daily. It's available as a multiport platform with fiber and copper network interfaces, as well as a virtual appliance.

To learn more about upgrading your Forefront TMG installation to Barracuda's Application Delivery Controller solution, visit [www.barracuda.com/ADC](http://www.barracuda.com/ADC). Or call 1-408-342-5400 or 1-888-268-4772 (US & Canada) to request a free 30-day trial.

## About Barracuda Networks, Inc.

Protecting users, applications, and data for more than 150,000 organizations worldwide, Barracuda Networks has developed a global reputation as the go-to leader for powerful, easy-to-use, affordable IT solutions. The company's proven customer-centric business model focuses on delivering high-value, subscription-based IT solutions for security and data protection. For additional information, please visit [www.barracuda.com](http://www.barracuda.com).