



# Barracuda Web Application Firewall

## Now available for Nutanix AHV

### THE CHALLENGE

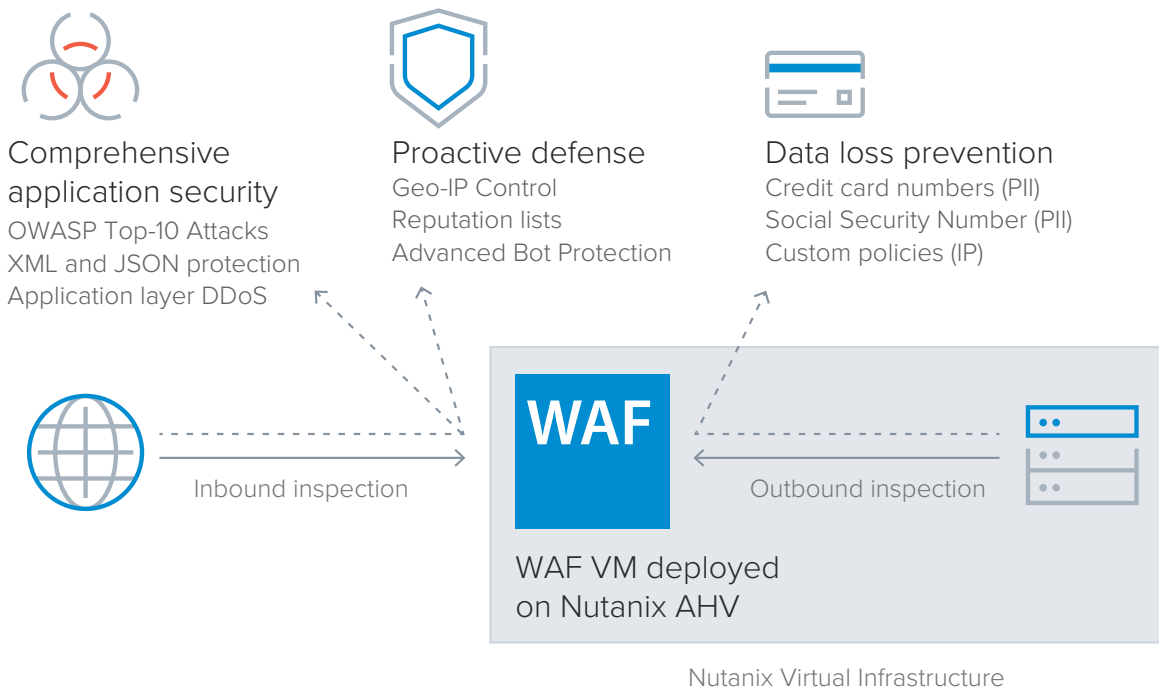
In the current landscape of ever-evolving infrastructure design choices, organizations are realizing the benefits of a connected ecosystem, wherein the participating components are working in tandem. Nutanix offers enterprise-grade Hyper-converged virtualized Infrastructure, this helps infrastructure designers to utilize the native solutions for a better fit. With the advent of the rise in automated bot attacks, ensuring protection from various web-based attack vectors, protecting API end-points becomes necessary for secure App Delivery and thus increasing business availability. However, to augment the security landscape, the exposed web services or SaaS offerings need protection from DDoS, Malware and Anti-virus attacks along with strong reporting and compliance capability in the deployed solution.

### HOW IT WORKS

The Barracuda WAF could be deployed as a virtual machine, on Nutanix AHV. Barracuda WAF Vx images can be procured using various licencing models and can be hosted in Nutanix Image Repository. This facilitates in automating the virtual machine deployment as per the Infrastructure design requirements. On-edge deployment provides security layer enhancement and protects the web services, API endpoints and SaaS offerings, which are hosted in Nutanix virtual infrastructure. This helps in streamlining the operations of all AHV hosted virtual machines and services under a single management control plane.

### THE SOLUTION

The Barracuda Web Application Firewall secures the hosted web-services and SaaS offerings, in the Nutanix AOS environment from advanced cyberthreats. The Barracuda Web Application Firewall secures the service endpoints of the web-hosted services in the Nutanix Hyper-converged Infrastructure. Now, with this new capability Infrastructure, designers have the flexibility to utilize Nutanix's native Acropolis Hypervisor as well, along with the support of non-native hypervisors like Microsoft Hyper-V or VMware-ESXi. This facilitates in devising a cohesive design and operational symmetry in deploying a virtual environment.



<b>Shared services</b>	Cloud detection and services layer (threat intelligence, application scanning services)				
<b>Ease of use</b>	Reporting and analytics	Virtual patching	Bootstrapping and rehydration	Auto-scaling	
<b>Access control</b>	Authentication		Authorization		
<b>Security</b>	OWASP Top 10 and more	Protection for APIs	Advanced Bot Protection	DDoS prevention	Advanced Threat Protection
<b>App delivery</b>	Load balancing	Caching and compression	Content routing	Traffic encryption	

*API-driven and DevSecOps-ready*

## BARRACUDA WAF AT A GLANCE

### Purchase

- Simple licensing
- Flexible purchasing options & free 30-day evaluations

### Deployment

- Available as physical appliance, virtual appliance.
- Flexible private cloud deployments

### Web Application Protection

- Complete OWASP Protection, Multi-protocol support
- Advanced Bot Protection, Malware Protection and Anti-virus
- Application learning by adaptive profiling, Geo-IP and IP Reputation Checking
- Server Cloaking, URL Encryption, Virtual Patching and Vulnerability Scanner Integration
- Application and Volumetric DDoS Protection

### API Security

- JSON Security for Mobile applications and REST API
- XML Firewall capability that secures applications against schema and WSDL poisoning, highly nested elements, recursive parsing, and other XML-based attacks.

### Application Delivery, Data Protection and Compliance

- Application load balancing and monitoring, Compliance Certification
- Content Routing, Outbound Data Loss Prevention
- Caching, Compression and Traffic Optimization

### Central Management, Administration and Reporting

- Cloud-based single pane of glass management with centralized Certificate management
- High Availability, Enabled Integrated DevSecOps, Pre-Built Security Templates
- Role-based access control(RBAC), Automate and Scale with REST API
- Intuitive, Drill-Down reporting, SIEM Integrations and Log Analytics.

### Identity and Access Control

- SAML support and Single Sign-on
- Client Certificate-Based authentication
- Active Directory Federation Services Integration
- LDAP, Kerberos, and RADIUS Integration, Two-Factor Authentication

## Support

- 24/7 live technical support with no phone trees
- Industry recognized with award-winning customer support

## KEY BENEFITS

Barracuda Web Application Firewall helps in delivering end-to-end solutions for Web Application Security and delivery.

### Web Application Security and Delivery

- Barracuda WAF can be deployed in various form-factors and deployment modes, suitable for all kinds of security requirements.
- Eliminate application vulnerabilities and stop data breaches, application-layer denial of service (DoS), and the OWASP Top 10 automated attacks.
- Protects your web, mobile and API applications from being compromised,— ensuring you maintain your reputation and your customer's confidence.

### Advanced AI/ML based capability

- Advanced AI/ML engine, which Block Malicious Bots and Automated Attacks and protect your websites from content scraping, data theft, and non-human traffic that slows the overall availability of your web applications.
- The Barracuda WAFs built-in bot detection technologies can distinguish between bad bots from good bots through a variety of countermeasures.
- Advanced Bot Protection uses cloud based machine learning to provide bot spam detection, credential stuffing prevention, request risk scoring and client finger-printing.

### Centralized Management

- WAF Control Centre provides a central point of control for all your Barracuda WAF deployments. it simplifies management, helps ensure up-to-date policies, and provides the tools necessary to deliver ongoing security for your applications wherever they reside
- Role-based access controls enables DevOps, SecOps, and NetOps teams to manage security at every stage of the application lifecycle with single pane-of-glass simplicity.
- Barracuda WAF integrates with over 25 other vulnerability management tools for complete flexibility.

## WHY BARRACUDA WAF?

More organizations and enterprises trust Barracuda WAF to secure their applications running in public cloud than the next 3 most deployed solutions combined. Not all web application security solutions are created equal. Barracuda WAF has been enhanced and refined for over a decade and is trusted by organizations of all sizes around the world to defend against the OWASP Top 10 recognized risks, sophisticated zero-day threats, bots, DDoS attacks and more.

## NUTANIX READY VALIDATION

Barracuda Web Application Firewall firmware version 10.0.1.010 has been validated on Nutanix AHV Hypervisor (AOS 5.10.9).



## MARKET REFERENCE: APPLICATION DELIVERY AND SECURITY

- Based on IDC's prediction, by 2021, 82% of the revenues coming from digital transformation business models will be ecosystem enabled.
- A survey of 2,282 C-Suite executives conducted by Deloitte finds nearly 65% of respondents are aware that destructive cyberattacks, such as NotPetya, represent one of the top cyber risks at their organizations.
- MSP industry outlook: Concerns about privacy, Data Protection, and election interference will continue to drive increased scrutiny and regulation. [#InfoSec](#) [#ManagedServices](#) [@Comptia](#)

## RESOURCES AND GETTING STARTED

- To get information on the Nutanix AHV ecosystem, please visit <https://www.nutanix.com/viewer?type=pdf&lpurl=ahv-networking.html>
- To get complete documentation and deployment understanding of Barracuda WAF, please visit <https://campus.barracuda.com/product/webapplicationfirewall/>
- To get more information on the technology-alliance with Nutanix please visit <https://www.nutanix.com/partners/technology-alliances/barracuda-networks>
- To get more information on all the technology partners of Barracuda please visit [https://www.barracuda.com/partners/index#OUR\\_PARTNERS](https://www.barracuda.com/partners/index#OUR_PARTNERS)

## ABOUT BARRACUDA

Barracuda Networks Inc. offers industry leading products for three distinct markets. As the worldwide leader in content security appliances, Barracuda Networks offers products that protect organizations from threats over email and Web. With a strong security heritage, Barracuda Networks offers networking products that improve web application security and delivery, network access with SSL VPN product lines. Barracuda Networks offers world-class solutions for backup and data protection that include message archiving, backup software and appliances, and offsite backup services.

## ABOUT NUTANIX

Nutanix makes infrastructure invisible, elevating IT to focus on the applications and services that power their business. The Nutanix enterprise cloud platform delivers the agility, pay-as-you-grow economics and operational simplicity of the public cloud, without sacrificing the predictability, security and control of on-premises infrastructure. Nutanix solutions leverage web-scale engineering and consumer-grade design to natively converge compute, virtualization and storage into a resilient, software-defined solution that delivers any application at any scale. Learn more at [www.nutanix.com](http://www.nutanix.com) or follow us on Twitter @nutanix.