Why Radware Security for Azure?

Radware Security for Azure is a fully managed security service jointly developed with Microsoft Azure. The service integrates the Azure DDoS service with Radware’s cloud-delivered WAF technology, bot management capabilities, security analytics, threat detection and real-time security feeds in a single security portal. Radware Security for Azure provides the industry’s most complete web application security solution, protecting applications against hacking, malicious bots, API exposure, DDoS attacks and other vulnerabilities.

Radware Security Solution Components

- **Global Azure Region Deployment** — Radware’s security suite is delivered within Azure regions, providing automated and frictionless deployment at Azure scale sets. Running within Azure regions provides ultra-low latency based on Azure’s global network with data residing in Azure regions to maintain customer data residency requirements.

- **Web Application Firewall** — A WAF delivered within Azure for protection against OWASP Top 10 threats and zero-day web attacks using both a negative (signature-based) and positive security model with automatic security policy generation and adaptive security policies.

- **Bot Detection and Defense** — Advanced bot management solution using semisupervised machine learning to protect against new generations of bots that simulate human behavior and get past traditional bot defenses.

- **Security Analytics** — Sophisticated security analytic capabilities that analyze user behavior and provide granular insight into user and attacker behavior, so your organization knows what is happening within your applications.

- **Threat Intelligence** — Integrated with Radware’s threat intelligence and active attacker feeds, providing the latest real-time data on your risk profile — stopping attacks and attackers before they target your applications.

Radware is a market leader in application availability and cybersecurity solutions for virtual, cloud and software-defined data centers.

**Trusted and Proven** — Over 12,500 enterprise and carrier customers, including:

- 8 of the world’s top 12 stock exchanges
- 10 of the world’s top 20 commercial banks
- 5 of the world’s top 10 retailers
- All 10 of the world’s top 10 carriers
- 5 of the top 10 SaaS providers
Industry Recognized

Gartner™
Web Application Firewalls Magic Quadrant Visionary, September 2019

Frost & Sullivan
2019 WAF & DDoS Vendor of the Year

IDC
DDoS Prevention Solutions Leader, 2019

Forrester™
2018 Web Application Firewalls Wave
Strong Performer, 2018 Bot Management Wave Leader

Cloud Computing
2018 Winner Cloud Computing Product of the Year

Competitive Feature Comparison

<table>
<thead>
<tr>
<th>Feature</th>
<th>Radware Security for Azure</th>
<th>Azure Native WAF</th>
<th>WAF as a Service on Azure</th>
<th>Azure-Based WAF Appliances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deployed directly within Azure</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Fully managed security service</td>
<td>✓</td>
<td>✘</td>
<td>✘</td>
<td>✘</td>
</tr>
<tr>
<td>Positive security model</td>
<td>✓</td>
<td>✘</td>
<td>✘</td>
<td>Some solutions</td>
</tr>
<tr>
<td>Automatic traffic learning and auto-policy generation</td>
<td>✓</td>
<td>✘</td>
<td>✘</td>
<td>Some solutions</td>
</tr>
<tr>
<td>Fast, low-touch deployment</td>
<td>✓</td>
<td>✘</td>
<td>✓</td>
<td>✘</td>
</tr>
<tr>
<td>Integrated threat intelligence</td>
<td>✓</td>
<td>✘</td>
<td>Some solutions</td>
<td>✘</td>
</tr>
<tr>
<td>Advanced bot management</td>
<td>✓</td>
<td>✘</td>
<td>Some solutions</td>
<td>Some solutions</td>
</tr>
</tbody>
</table>

Reference Architecture

Attacker

Azure Backbone

Customer VNet
WAF Appliance
Azure Marketplace Solutions
Barracuda, F5, etc.
Semi-advanced features
Complex management

Customer VNet
Application Gateway
WAF L7 LB
Microsoft App Gateway
Basic features
Simple management
Per-customer scale

Best Practice

Managed WAF
Radware

Radware’s Cloud WAF Service on Azure
Advanced features
Simple management
Radware managed 24x7

Radware Security
for Azure
With Radware Security for Azure, You Can:

Secure critical application workloads in Azure with fully managed security services

Use it in the cloud and on-premise, with security services available in data centers and private and public cloud environments in Azure

Use the only Azure-based managed security suite operating within Azure regions to provide ultra-low latency and simplified regulatory compliance

Target Industries:

Retail organizations that must comply with payment card industry (PCI) regulations

Financial services that store sensitive customer financial data

Healthcare organizations that protect sensitive patient data

SaaS/technology/entertainment/gaming/education affiliations that protect online services and intellectual property

Resources and Contacts:

Get started with more information, and schedule a demo

Radware cloud WAF technology overview

Radware Security for Azure

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About Radware

Radware® (NASDAQ: RDWR) is a global leader of cybersecurity and application delivery solutions for physical, cloud and software-defined data centers. Its award-winning solutions portfolio secures the digital experience by providing infrastructure, application and corporate IT protection and availability services to enterprises globally. Radware’s solutions empower more than 12,500 enterprise and carrier customers worldwide to adapt quickly to market challenges, maintain business continuity and achieve maximum productivity while keeping costs down. For more information, please visit www.radware.com.

Radware encourages you to join our community and follow us on: Facebook, LinkedIn, Radware Blog, Twitter, YouTube, Radware Mobile for iOS and Android, and our security center DDoSWarriors.com that provides a comprehensive analysis of DDoS attack tools, trends and threats.

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