POSITIVE TECHNOLOGIES

Positive Technologies has been positioned as a Visionary in Gartner Magic Quadrant for Web Application Firewalls 2017 for three years running.

PT APPLICATION FIREWALL™ KEY ADVANTAGES

Superior protection

+ **Positive model** for pinpointing common and cloud-specific attacks
+ **Smart machine learning** for high level of accuracy and automation
+ **Advanced virtual patching** for proactive non-stop protection
+ **Context awareness** to maximize detection rate and prevent bypass
+ **Essential help** for ensuring PCI DSS compliance

Business continuity

+ **Quick start** due to easy deployment via wizards and ready templates
+ **Intuitive management** for reducing manual effort and human error
+ **Time and resource savings** due to advanced level of automation
+ **Cost savings** thanks to seamless integration with AST tools (PT Application Inspector™)

Perfect fit for Microsoft Azure

+ **Instant availability** from Azure Marketplace
+ **Fast and easy provisioning** with Azure Resource Manager templates
+ **Superior performance** due to flexible tuning and scalability
+ **Support for hybrid deployment** in Microsoft Azure and Azure Stack

Microsoft Azure

Certified

COMPREHENSIVE PROTECTION OF YOUR WEB APPLICATIONS ON MICROSOFT AZURE

Microsoft Azure helps organizations to create applications faster, more productively, and with less expense. It is available at any moment and perfectly secure. But this security applies only to Azure infrastructure—which means that you still need to safeguard all the data you put on it.

Ignoring the security of your Azure-based applications leaves you exposed to attacks, thefts, and failed PCI audits. You risk losing out on the savings in time, money, and resources you expected when transitioning to the cloud. And even worse, you can run into extra problems, such as data breaches and downtime, that can disrupt your entire business.

MEET PT APPLICATION FIREWALL™

PT Application Firewall™ is designed to simplify your experience in Microsoft Azure, taking the protection burden off your shoulders so your cloud presence and entire business can thrive without disruption.

Thanks to sophisticated machine learning techniques, advanced correlation mechanisms, and real-time global research, PT Application Firewall™ precisely and timely blocks known, unknown, and cloud-specific EDoS (Economic Denial of Sustainability) attacks:

+ OWASP Top 10
+ L7 DDoS
+ Zero-days
+ Automated attacks
+ Cloud-specific attacks (EDoS)

YOUR BENEFITS WITH PT APPLICATION FIREWALL™

+ **Ongoing proactive protection from emerging threats.** PT Global Research Center monitors and analyzes user input and threats worldwide in real time. Product improvements are constantly released to provide protection from emerging attacks before they strike. A smart combination of negative and positive security models, combined with a deep understanding of application context, allows pinpointing attacks precisely. PT Application Firewall™ also includes the P-Code module, which finds vulnerabilities in source code and automatically blocks attacks with virtual patches while the vulnerabilities are being fixed.

+ **Enhancement of processes and overall business.** To ensure your business processes are running smoothly, PT Application Firewall™ combines the most innovative technologies and approaches. Exceptional integration with SIEM, DLP and security testing tools can be extended with industry-specific modules for maximum fit with your organization's needs. Unlike other solutions, PT Application Firewall™ provides a high level of automation, which significantly reduces the need for manual work and streamlines security-related business processes.

+ **Easy and clear even for non-technical users.** Just like your Azure infrastructure is available immediately on demand, PT Application Firewall™ provides an instant start—without any time and effort spent dealing with complications. This is possible thanks to easy deployment and convenient setup via intuitive wizards and ready-to-use, flexible security templates.

HOW IT WORKS
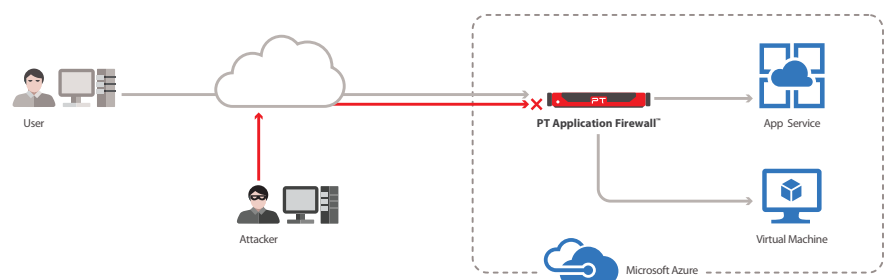
PT APPLICATION FIREWALL™ FEATURES

Superior Protection

Innovative Technologies
+ Machine Learning-Based Positive Security Model
+ Virtual Patching (SAST) with P-Code Module
+ Built-in Black Box Scanner (DAST)
+ DOM-Based XSS Detection
+ Zero-Day Attack Prevention

Web Application Security
+ OWASP Top10 Protection
+ Brute Force Protection
+ Slow Attacks Protection
+ Built-in Antivirus Protection
+ Redirect Attacks Prevention
+ Cookie Signing
+ CSRF Protection on Static and Dynamic HTML Forms
+ HTML Forms Protection
+ Content Security Policy Enforcement
+ XSS and SQL Injection Attacks Prevention Using Heuristic Algorithms

L7 DDoS Protection
+ L7 DDoS Protection
+ HTTP and RFC Compliance Checks
+ Robot Blacklisting
+ Client-Side Bot Detection
+ Hacker Tools Detection

Data Leakage Prevention
+ Response Filtering
+ Sensitive Data Leakage Protection

SOA Firewall
+ XML Bomb Protection
+ WSDL/XSD Schema Validation
+ GWT Support
+ JSON Support

Efficient Management

Deployment Options
+ Active/Active, Active/Passive, N+1 Clustering
+ Server Load Balancing
+ SSL Bridging/SSL Offloading
+ RESTful API
+ Reverse Proxy

Operation and Maintenance
+ On-the-Fly Fast Search Dashboard
+ Advanced Correlation Engine
+ Event Chaining
+ Attack Vector Evolution Visibility

Protocol Support
+ Full AMF Protocol Support
+ HTTP Protocol Normalization
+ WebSockets Support

Access Control
+ Client SSL Certificate Authentication
+ LDAP Support
+ Geolocation Database
+ Session Tracking
+ User Tracking
+ Role-Based Access Control
+ Hosts and IP Reputation Blacklists

Scheduled and On-Demand Reporting
+ Detailed descriptions of attacks
+ Various templates for report creation
+ Scheduled delivery of email reports to defined users at the organization

Integration Capabilities & Support

External & Internal Systems Integration
+ Check Point Security Gateway
+ HP ArcSight
+ IBM QRadar
+ Qrator Labs
+ PT SIEM™, PT MultiScanner™, PT Application Inspector
+ Antivirus Integration via ICAP
+ SMTP, SNMP, Custom

Ongoing Support & Updates
+ Regular technical support
+ Security knowledge base auto-update

PT APPLICATION FIREWALL™: AZURE VM SIZE RECOMMENDATIONS

Easily bring your PT Application Firewall™ license (BYOL) to Microsoft Azure without any extra effort. Choose the Azure VM size that fits your needs:

Minimum Azure VM size	F4	F8	F16
PT Application Firewall™ Performance	1,000 RPS	5,000 RPS	10,000 RPS

About Positive Technologies

Positive Technologies is a leading global provider of enterprise security solutions for vulnerability and compliance management, incident and threat analysis, and application protection. Commitment to clients and research has earned Positive Technologies a reputation as one of the foremost authorities on Industrial Control System, Banking, Telecom, Web Application, and ERP security, supported by recognition from the analyst community. Learn more about Positive Technologies at ptsecurity.com.

POSITIVE TECHNOLOGIES

info@ptsecurity.com   ptsecurity.com