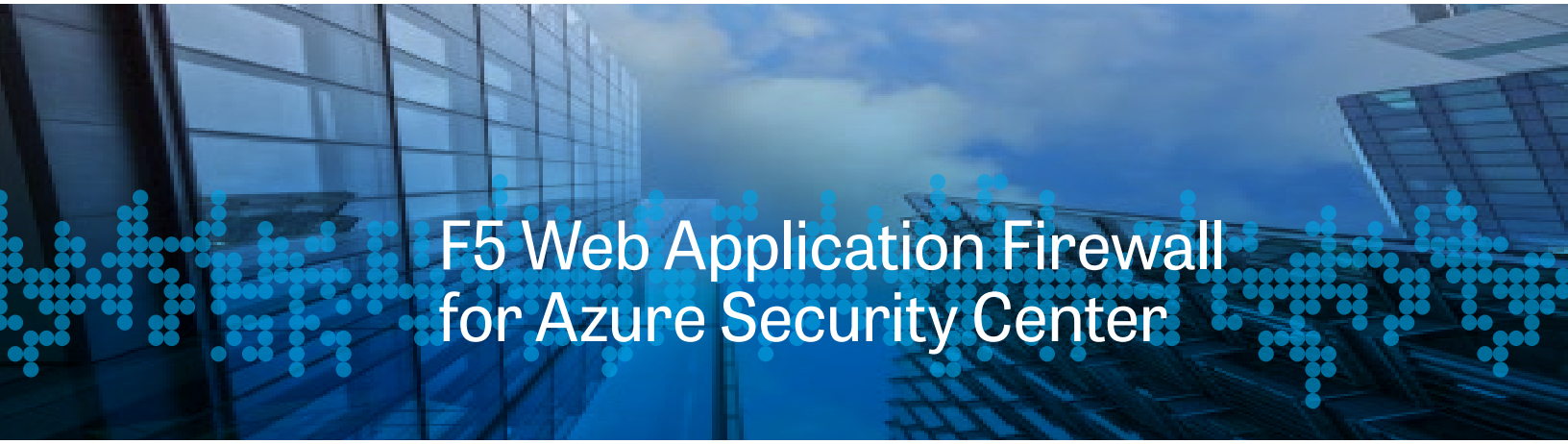

F5 Web Application Firewall for Azure Security Center

KEY BENEFITS

Ensure application security and compliance.
Gain comprehensive security against sophisticated Layer 7 attacks.

Turn on protection immediately.
Choose and deploy pre-configured security policies for out-of-the-box protection.

Gain confidence with a proven defense.
Block attacks on applications in the cloud with demonstrated 99.89 percent effectiveness.

Customize and extend as needed.
Better meet unique compliance policies or provide more in-depth app protection.

Protect sensitive assets and enable compliance. The F5 web application firewall (WAF) helps defend against application vulnerabilities and the latest threats, including distributed denial-of-service (DDoS) attacks, without sacrificing application performance.

Challenge

As attackers target web applications hosted in cloud infrastructures, the volume and sophistication of attacks make it difficult for administrators and security teams to keep up to date on security threat types and protection measures. Most organizations cannot afford to incur business disruption, pilfered data, or security-related degradation in application availability and performance, all of which threaten your business's reputation and high remediation costs.

Solution

The F5® web application firewall (WAF) for Azure Security Center is the most effective approach for guarding web applications and data from existing and emerging threats while maintaining compliance with key regulatory mandates.

This solution builds on F5's industry-proven, ICSA Labs certified F5 BIG-IP® Application Security Manager™ (ASM) and BIG-IP® Local Traffic Manager™ (LTM) technologies as a pre-configured virtual service within the Azure Security Center. This enables you to gain the same level of control and customization typically afforded to applications in a private data center while empowering rapid response to threats targeting applications in the Azure environment.

Advanced layer 7 attack protections

The F5 WAF provides comprehensive layer 7 protection and is easily activated using three predefined protection levels to helps you effectively protect against existing and emerging application attacks, prevent costly data breaches, and maintain compliance with PCI-DSS requirements. BIG-IP ASM delivers the most comprehensive capabilities and unsurpassed protection, guarding against threats that include the OWASP Top 10, layer 7 DDoS attacks, site scraping, web injections, and common app vulnerabilities. In addition, the F5 WAF provides proactive bot defense and more accurate detection and mitigation for web scraping, brute force, CSRF, DoS-heavy URLs, and zero-day attacks. It can dynamically impose needed protections to prevent attacks from ever reaching your servers.

Easily deployable within Azure Security Center, the F5 WAF makes it possible to identify and stop sophisticated, complex threats with a higher level of security effectiveness than competing alternatives. Built on F5's leading application delivery technology, it delivers scalability, programmability, adaptability, and the best performance at an affordable cost.

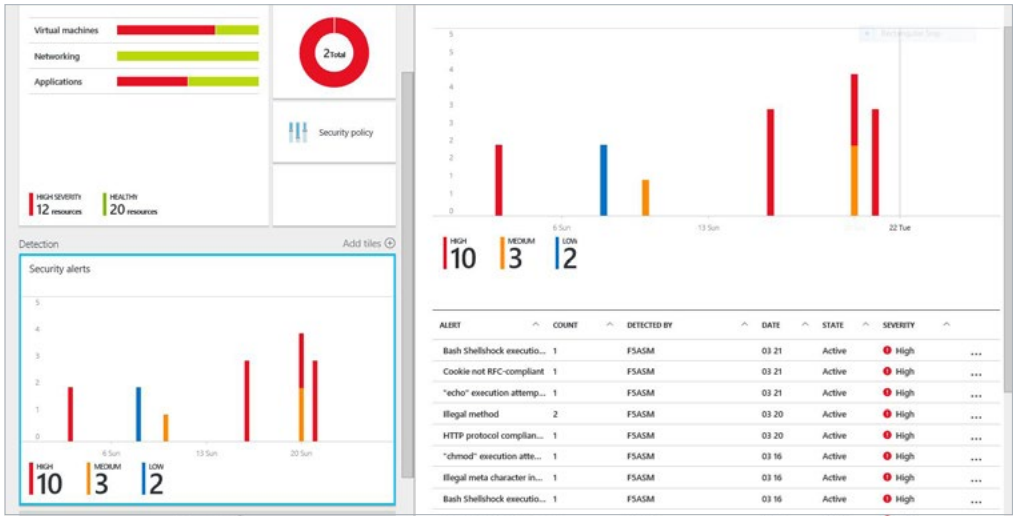

Figure 1: Monitor the F5 WAF solution from the Azure Security Center dashboard.

Simple, pre-configured setup

The F5 web application firewall solution in Azure is pre-configured, making it fast and easy to set up. Simply determine your desired protection level to turn on protections immediately, without extensive security expertise. The F5 web application firewall is perfect for cloud-born apps in Azure, which may not be supported with dedicated security staff, or for developers who want to deploy instant protection without the trial and error sometimes required to set up a

fully customized WAF. Pre-built security policies provide out-of-the-box protection for common applications such as Microsoft Outlook Web Access and SharePoint, so even novice users can rapidly deploy policies and immediately secure applications with little to no configuration time. Validated policies also serve as a starting point for more advanced policy creation.

Customizable for advanced enforcement

Gain flexibility when you can activate the F5 WAF as-is or run BIG-IP ASM and BIG-IP LTM as Azure virtual machines (VMs) to meet more advanced needs. While F5 recommends pre-configuring to immediately meet protection and compliance needs, the F5 WAF also provides access to advanced BIG-IP ASM features, including F5 iApps® templates and F5 iRules® to further configure for unique application or organizational needs or policies. Use the same security policies as in your private data center deployments or other clouds to maintain consistency across environments, reducing operational complexity as well as the risk of policy gaps. Because the F5 WAF is deployed on a per-app basis within Azure Security Center, security options can be easily tuned over time with F5's unique and dynamic policy builder engine.

Trusted

The market leader in application delivery technology, F5 is the industry's most trusted name in web application firewall protection, with solutions deployed in more enterprise data centers than any other WAF solution. You can confidently rely on BIG-IP ASM to protect the world's most visited web applications—wherever they reside.

The same comprehensive feature set, enterprise-grade security, and traffic management capabilities can be easily deployed in the Microsoft Azure public cloud environment. Tight integration into Azure Security Center dashboards empowers you to monitor the security and performance of applications, receive alerts, and review detailed reports that give you the confidence to take action. Ensure application availability and performance, maintain required regulatory compliance, and easily move applications among environments as your business needs change with the F5 web application firewall.

For more information about the F5 web application firewall and Azure, please visit f5.com/azure or these resources:

- BIG-IP Application Security Manager
- The BIG-IP Platform and Microsoft Azure: Application Services in the Cloud
- Demo of F5 BIG-IP virtual editions in Microsoft Azure

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