

FortiWeb WAF and Gemalto's SafeNet Enterprise HSM

Web Application Firewall and Hardware-based Security Integration for High-speed Application Security and Vulnerability Protection

Enterprise applications continue to be a top target for attacks as they can be an easy method to bypass traditional network-based security defenses. Externally-facing applications such as e-commerce or healthcare systems, are the highest risk no matter how many layers of network security are in place. A simple login screen can cut through these measures and can put sensitive proprietary, customer and financial information within easy reach of an attacker. In an era where more and more organizations are securing their external and internal applications, traditional SSL and TLS can be compromised leaving sensitive application traffic exposed for the taking.

Organizations seeking the highest level of defense against these attacks need to automatically protect their applications from known and unknown vulnerabilities while employing the best cryptographic tools available.

FortiWeb and Gemalto's SafeNet Enterprise HSM

Fortinet's FortiWeb Web Application Firewalls (WAFs) provide robust and effective protection for web-based applications. They integrate with Gemalto's SafeNet Enterprise Hardware Security Modules (HSMs) to use the advanced security certificates managed by the HSM for the encryption and decryption of secure application traffic. Although FortiWeb offers certificate management, this arrangement lets organizations that use Gemalto's SafeNet HSMs to deploy a high-performance WAF solution using a strong, centrally-managed set of certificates and encryption keys.

FortiWeb Web Application Firewalls

When enterprise organizations need to protect their users and systems from advanced application vulnerability threats such as Cross-Site Scripting and SQL Injection, or meet PCI DSS compliance, only Fortinet's high-performance FortiWeb WAF solutions provide industry-leading protected traffic throughputs up to 20 Gbps. With features including third-party vulnerability scanner support and integration with Fortinet's enterprise firewalls and sandboxing products, FortiWeb is unmatched in WAF performance and security effectiveness to protect and defend against threats that target mission-critical web applications.

FortiWeb and Gemalto SafeNet Enterprise HSMs both offer many deployment options including hardware and virtual appliances to meet the needs of on-premise, cloud and hybrid enterprise environments. Virtual appliances support all major hypervisors including VMware and Microsoft Hyper-V. It is also available for Amazon Web Services and Microsoft Azure.

Key Benefits

Using FortiWeb with Gemalto's SafeNet HSM provides organizations:

- Industry-leading WAF performance for enterprise mission critical applications
- Tamper-proof FIPS 140-2 Level 3 security compliance provided by SafeNet Enterprise HSM
- Centralized management of security certificates and encryption keys
- Enhanced security through a single set of certificates used on multiple devices
- FortiWeb and Gemalto offer many deployment options, including hardware and virtual appliances to meet the needs of on-premise, cloud and hybrid enterprise environments

Gemalto's SafeNet Enterprise HSM

Gemalto's SafeNet Enterprise HSMs are robust, high-availability, and high-performance appliances that store cryptographic materials (e.g. certificates, encryption keys, etc.) in a secure FIPS 140-2 Level 3 tamper-proof hardware appliance to meet compliance mandates globally. Storing these materials in a hardware appliance keeps them out of harm's way and ensures that only authorized users and applications have access to important encryption keys. SafeNet Enterprise HSMs offer a security infrastructure trusted root enabling administrators to ensure the integrity of their cryptographic operations.

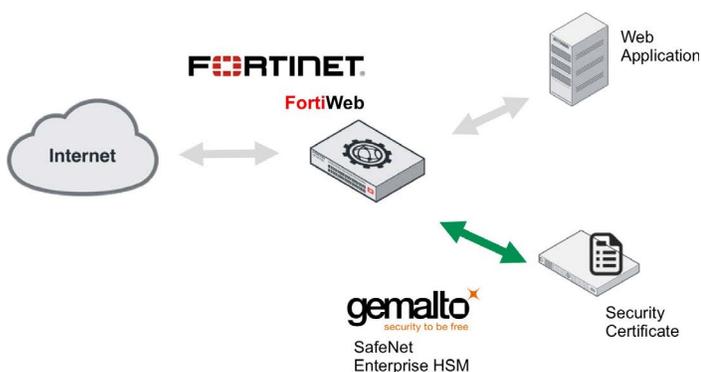


Figure 1: FortiWeb can be configured to use SSL/TLS Certificates and encryption keys stored and managed by the SafeNet Enterprise HSM.

About Gemalto

Gemalto (Euronext NL0000400653 GTO) is the global leader in digital security, with 2015 annual revenues of €3.1 billion and customers in over 180 countries. We bring trust to an increasingly connected world.

Our technologies and services enable businesses and governments to authenticate identities and protect data so they stay safe and enable services in personal devices, connected objects, the cloud and in between.

Gemalto's solutions are at the heart of modern life, from payment to enterprise security and the internet of things. We authenticate people, transactions and objects, encrypt data and create value for software – enabling our clients to deliver secure digital services for billions of individuals and things.

Our 14,000+ employees operate out of 118 offices, 45 personalization and data centers, and 27 research and software development centers located in 49 countries.

For more information visit www.gemalto.com, or follow @gemalto on Twitter.

About Fortinet

Fortinet (NASDAQ: FTNT) secures the largest enterprise, service provider, and government organizations around the world. Fortinet empowers its customers with intelligent, seamless protection across the expanding attack surface and the power to take on ever-increasing performance requirements of the borderless network - today and into the future. Only the Fortinet Security Fabric architecture can deliver security features without compromise to address the most critical security challenges, whether in networked, application, cloud or mobile environments. Fortinet ranks #1 in the most security appliances shipped worldwide and more than 400,000 customers trust Fortinet to protect their businesses.

Learn more at <https://www.fortinet.com>, the Fortinet Blog, or FortiGuard Labs.



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