DATA SHEET

FortiWeb™ Cloud WAF as a Service

Protection for web applications and APIs, enhanced with machine learning

Protect hosted web applications and APIs without deploying and managing infrastructure. FortiWeb Cloud can be deployed and configured in minutes, with a streamlined deployment wizard.

Turn on anomaly detection and FortiWeb Cloud will identify and block malicious anomalies with no need to spend time on tedious manual rule creation.

FortiWeb Cloud leverages unique deep learning technology to deliver better protection without additional administrative overhead. It continuously models the behavior of applications, enabling deployment of the latest code into production quickly without the manual tuning required by other Web Application Firewalls (WAFs).

Easy to Deploy and Manage Full-Featured WAF

FortiWeb Cloud WAF-as-a-Service delivers the protection of a full-featured WAF as you rapidly roll out applications in public cloud environments. There's no need to manage and maintain your own infrastructure. Your attack surface changes every time you deploy a new internet-facing application, and with public clouds, you can deploy those internet-facing applications more rapidly than ever.

FortiWeb can defend the attack surface of any web-based application you deploy. This includes both applications that may only run for a short time and long-lived applications that can evolve rapidly as you adopt a DevOps approach to deliver applications and services at high velocity. Protecting applications with a SaaS-delivered WAF solution also provides the option to pay as you go. This enables the same protection for all of your public cloud hosted applications without standing up excess capacity that might be underutilized.

Highlights

- 100% cloud-based WAF-as-a-Service, delivered within the same public cloud region as your application. This provides improved performance, a simplified regulatory environment, and reduced bandwidth costs
- Web application security to protect against OWASP Top 10 and other known and unknown threats
- Helps address regulatory compliance requirements for public-facing applications
- Bot defense to block the full range of malicious bot activity (including content scraping, denial of service, data harvesting, and transaction fraud)
- Rapid deployment via AWS, Azure, and Google Cloud Marketplaces
- Advanced analytics and reporting

HIGHLIGHTS

Web Application Security

Protect against the OWASP Top 10 and other known and unknown threats using FortiWeb Cloud's comprehensive web application security, including IP reputation, DDoS protection, protocol validation, and application attack signatures.

Internet-Facing API Protection

Protect the APIs that enable critical line-of-business web applications, B2B communication, and mobile applications. APIs implemented with XML, JSON API, and RESTful APIs connect to your most critical data, but must be exposed to be useful. Protect these exposed API interfaces from malicious traffic by parsing the contents of each API call.

Bot Defense

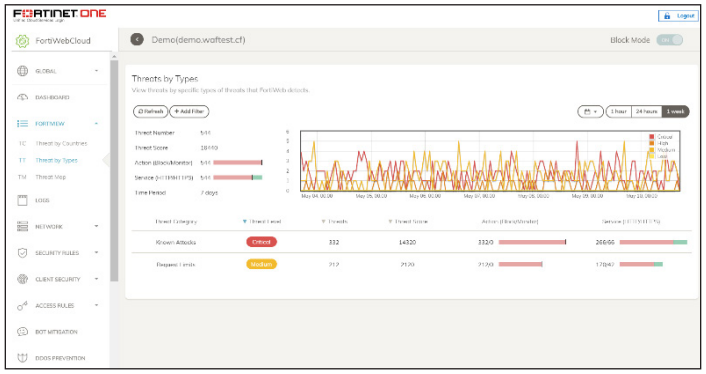
Block the full range of malicious bot activity (content scraping, denial of service, data harvesting, transaction fraud) quickly and easily. This feature protects websites, mobile applications, and APIs from automated threats. FortiWeb Cloud bot mitigation features include thresholds, biometric bot detection, bot deception, and machine learning-based anomaly detection.

Simplified Deployment

Once activated via your favorite cloud marketplace or via an annual contract purchase, follow the built-in setup wizard to deploy in minutes. With predefined policies and machine learning to automatically keep up with your changing application, FortiWeb Cloud delivers the security you need within minutes without the complexity required when setting up other WAF solutions. More advanced users can easily enable additional security modules if needed, free of charge. Deploy in minutes and you're protected from threats such as cross-site scripting, cross-site request forgery, denial-of-service, brute-force attacks, and SQL injection.

Low Latency and Intra-region Bandwidth Rates

Fortinet delivers the service using a colony of WAF gateways in the same public cloud region as your application, enabling low latency and intra-region bandwidth rates for traffic between your application and the WAF. This method also simplifies the regulatory environment.



Regulatory Compliance

Address regulatory compliance requirements for public-facing applications, including the PCI DSS 6.6. WAF requirement.

FortiGuard Labs Services

FortiGuard Labs is the backbone for FortiWeb Cloud signatures and IP reputation. As an active FortiWeb Cloud Subscriber you automatically have the latest protections and updates.

Content Delivery Network (CON)

FortiWeb Cloud includes an optional CON available at no additional charge. When activated, the CON directs requests to the nearest and fastest point of presence, leveraging a global distribution of WAF clusters. Combined with sophisticated caching and optimization techniques, FortiWeb Cloud enables your users to access your application from anywhere in the world while delivering the performance your users demand.

TECHNICAL FEATURES AND CAPABILITIES

Application Delivery

Optional CDN

- URL rewriting
- Content routing
- HTTPS/SSL offloading
- HTTP compression
- Caching

Authentication

- Active and passive authentication
- Site publishing and SSO
- LDAP, RADIUS, and SAML support
- SSL client certificate support
- CAPTCHA and Real Browser Enforcement (RBE)

Management and Reporting

- Web user interface
- FortiView graphical analysis and reporting tools
- REST API
- Centralized logging and reporting
- User/device tracking
- Real-time dashboards
- Bot dashboard
- OWASP Top 10 attack categorization
- Geo IP analytics

Other

- Seamless PKI integration
- Auto setup and default configuration settings
- Setup wizards for common applications
- Preconfigured for common Microsoft applications such as Exchange, SharePoint, OWA, WordPress, and Drupal
- WebSockets support

Deployment Option

- Reverse Proxy

Web Security

- AI-based machine learning
- Automatic profiling (allow list)
- Web server and application signatures (deny list)
- IP address reputation
- IP address geolocation
- HTTP RFC compliance
- Native support for HTTP/2
- OpenAPI 3.0 verification
- WebSocket protection and signature enforcement
- Man-in-the-Browser (MiTB) protection

Application Attack Protection

- OWASP Top 10
- Cross-site scripting
- SQL injection
- Cross-site request forgery
- Session hijacking
- File upload scanning with AV and sandbox

Security Services

- Web services signatures
- XML and JSON protocol conformance
- Malware detection
- Protocol validation
- Brute-force protection
- Cookie signing and encryption
- Threat scoring and weighting
- Syntax-based SQLi detection
- HTTP header security
- Custom error message and error code handling
- Operating system intrusion signatures
- Known threat and zero-day attack protection
- DDoS prevention
- Data loss prevention

ORDER INFORMATION

Available through the Amazon Web Services, Azure, and Google Cloud marketplaces or via annual contracts.

The following lists marketplace pricing.

Units	Price
Total number of web applications protected by FortiWeb Cloud	$0.03 / unit
Total data transferred via FortiWeb Cloud (GB)	$0.30 / unit

The following lists annual contract SKUs:

Product	SKU	Description
FortiWeb-Cloud-WAF-as-a-Service	FC1-10-WBCLD-654-02-DD	FortiWeb Cloud WAF-as-a-Service - 20 Mbps average throughput - Annual Subscription. Select number of sites separately.
	FC2-10-WBCLD-654-02-DD	FortiWeb Cloud WAF-as-a-Service - 50 Mbps average throughput - Annual Subscription. Select number of sites separately.
	FC3-10-WBCLD-654-02-DD	FortiWeb Cloud WAF-as-a-Service - 100 Mbps average throughput - Annual Subscription. Select number of sites separately.
	FC4-10-WBCLD-654-02-DD	FortiWeb Cloud WAF-as-a-Service - 500 Mbps average throughput - Annual Subscription. Select number of sites separately.
	FC1-10-WBCLD-655-02-DD	FortiWeb Cloud WAF-as-a-Service - Additional 1 website - Annual Subscription.
	FC2-10-WBCLD-655-02-DD	FortiWeb Cloud WAF-as-a-Service - Additional 5 websites - Annual Subscription.

FWEB-CL-DAT-R4-20220222