Default Security Settings

https://campus.barracuda.com/doc/95262616/

Start your Barracuda WAF-as-a-Service deployment with reasonable default settings for several components. If needed, you can change these settings on a site-wide, per-URL, or per-parameter basis.

Mechanism	Description	Default Setting	WAFaaS Component
Check Protocol Limits	When enabled, checks size limits on various HTTP protocol elements, including request length and header length. These checks prevent a wide array of possible Buffer Overflow attacks.	Yes	• URL Protection • Parameter Protection • App Profiles
Cookie Security Mode	Handles cookies from external sources (i.e., those not created by Barracuda WAF-as-a-Service). Available settings: • **Encrypted** – Makes all cookies un-readable by the client browser. • **Signed** – Makes cookies visible, but attaches a signature to prevent tampering.	Signed	• Cookie Security
URL Protection	When enabled, offers protection on a URL. These settings are ignored when URL Profiles are used for validating the incoming requests.	Yes	• URL Protection
Parameter Protection	When enabled, offers protection on request parameters by enforcing limits on various sizes.	Yes	• Parameter Protection
SQL Injection Prevention	When enabled, defends against SQL injection attacks that allow commands to be executed directly against the database, allowing disclosure and modification of data in the database.	Enabled	• URL Protection • Parameter Protection • App Profiles
OS Command Injection Prevention	When enabled, defends against OS commands that can be used to give attackers access to data and escalate privileges on servers.	Enabled	• URL Protection • Parameter Protection • App Profiles
XSS Injection Prevention	When enabled, defends against Cross-Site Scripting (XSS), that takes advantage of a vulnerable web site to attack clients who visit it.	Enabled	• URL Protection • Parameter Protection • App Profiles
Default Character Set	Affects how incoming requests are decoded before inspection. The Default Character Set is used when the charset cannot be determined by other means.	UTF-8	• URL Normalization
Suppress Server Errors / Cloak Status Code	When active, enables Barracuda WAF-as-a-Service to insert a default or custom page in reaction to server response errors.	Yes	• Response Cloaking