

## ABSTRACT

**priWAF** Web Portal is a web based project in PHP & mod security module of Apache2. It is an effort aimed at developing an online portal for the WAF (web application firewall) configuration activities to secure the Client's web server. This web portal can be accessed throughout the organization with proper login provided by the user.

The “priWAF” is a web application firewall that helps secure web applications against OWASP top vulnerabilities and threats while providing SSL certificate. Rights & privileges are under Indusface Pvt. Ltd to serve the services to their clients.

Users should provide their Server host IPs & other details to the WAF portal admin-user. This information will be added by WAF admin manually. Then after the clients IPs are given to the audit team, a team will scan those IPs and also exploited vulnerabilities manually attacked on web pages that given by client. Audit team will forward report to that client, if the client is satisfied with their report and wants to secure their web application then their vulnerability report forwarded to research & signature development team, they will try to patch those vulnerability using CRS (core rule set) / or develop (custom rule sets) a specific rules for them & tested on virtual machine using reverse proxy for that specified web application. The team will then push those rule sets to the WAF portal admin. Admin can manage them in WAF portal.