

# FUNCTIONAL, STRESS & PERFORMANCE TESTING OF WEB APPLICATION FIREWALL(WAF)

A **\$210mn** cybersecurity service provider

## Overview

The customer is a \$250mn cybersecurity and application delivery solutions provider. They wanted to perform Functional, Stress and Performance testing for their latest products to be released.

## Challenges

- Not able to identify the security bugs in WAF due to lack of periodic performance testing
- To protect sensitive data, customer wanted to identify WAF security vulnerabilities and secure delivery of mission critical applications

## Solution

### Complete ownership on quality of the product

- Developed high-level test plans and test cases for each feature
- Recreate customer issues and verify solutions
- Sustenance of released product versions
- Custom attack traffic using PERL scripts and various real clients and servers including on Windows and Linux
- Enabled Data leak prevention, Single Sign-On (SSO) & Authentication on WAF application

## Outcomes

**150+**

Attack vectors are automated for threat coverage

**50%**

Faster resolution of vulnerabilities in WAF