

Introduction

DOYEN's customer, an India-based urban multi-state Co-operative banking institution, faced increasingly malicious threats encapsulated within HTTP protocol hitting their servers. In addition, they wanted a way to prevent DDOS attacks on the network and applications. As a Bank, they also needed to be PCI-DSS compliant and meet OWASP top 10 guidelines to secure the customers' data and transactions. In short, they needed a solution that can protect their critical Internet Banking and Mobile Banking Applications against web attacks.

The Bank chose DOYEN to propose and implement a suitable solution to tackle these challenges.

KEY CHALLENGES

- **Protect** their Internet Banking and Mobile Banking application **against web attacks.**
- Meet **PCI-DSS compliance** requirements.
- **SSL Offloading.**
- Not able to achieve **data analytics and reporting.**
- **Meet OWASP TOP 10 guidelines**

SOLUTION FEATURES

- **Out-of-the-box protection** **against OWASP TOP 10** and other attacks.
- Optimum Application delivery with **Layer 7 load balancing, hardware accelerated SSL Offloading,** compression and caching.
- **IP Reputation** service to block botnets and other malware sources.
- In-built **Vulnerability Scanner** module.
- **Parameter Validation**
- Prevents unknown application attacks by **Auto Learning.**

DOYEN's Solution

Keeping in mind the customer challenges, DOYEN suggested **FortiWeb - Web Application Firewall** as the appropriate solution. This application firewall ticks all points required by the Bank such as OWASP top 10 guidelines and other attacks, optimum application delivery with Layer 7 load balancing, hardware accelerated SSL offloading, compression and caching, IP reputation service to block botnets and other malware sources, in-built vulnerability scanner module, parameter validation and prevention of unknown application attacks by auto learning.

Leveraging its deep expertise on security technologies and understanding, DOYEN successfully implemented the solution in the customer network. The solution now helps customer protect their critical web applications, improve application performance and satisfy PCI DSS compliance requirements. Through FortiGate, the Bank could now derive data for analytics and reporting while improving the performance greatly.

Outcomes and Benefits

One of the greatest benefits was reduction of the load on the web server by offloading SSL to the FortiWeb – Web Application Firewall. This allowed the Bank's team to focus more on management by automatically and dynamically profiling user traffic. In addition, automated signature updates keep the defenses up-to-date

To learn how we can help write to us at info@doyeninfosolutions.com