Prophaze
The New Phase of Security

Security For Examination Portals

Overview

The education sector has also been impacted greatly by the digitalisation post-Covid pandemic. Services have been developed for various purposes, from conducting classes online and the emergence of e-learning platforms to conducting exams online. As is true for all internet-based services, these services are also prone to cyber-attacks. To ensure undisrupted access to the services, resources exposed to the internet should be protected.

Prophaze Web Application Firewall is one such tool to protect Web APIs and applications on HTTP Layer 7. Being architectured in Kubernetes, it provides a highly scalable architecture and easily integrates within the Kubernetes cluster as well if present. Prophaze WAF has also been identified as an innovation leader in the "WAF Leadership Compass by KuppingerCole Analysts".

The main functions of the WAF include:

1. Preventing illegitimate access or potential misuse of the applications and APIs. The WAF uses its AI/ML engine to block harmful requests from accessing the services. On top of this, users also have the option to block traffic by adding custom rules on the WAF dashboard.

2. Preventing DDoS attacks targeted on the service. This ensures that the service is always available for legitimate users so that it doesn't affect the reputation of the service provider.

3. Preventing bots or other automated tools from misusing the services. More than For example, on an online examination portal, there could be attempts to compromise the services using sophisticated tools by external agents or even exam-takers. Prophaze WAF uses multiple layers of bot detection mechanisms to identify and defend against a wide range of bots.