

Cequence Security

Summary

Cequence Security is a venture-backed cybersecurity software company founded in 2015 and based in Sunnyvale, CA. The company's mission is to protect today's hyper-connected enterprises from both automated and human-driven attacks on the web, mobile, and API-based applications and services that connect their customers, partners, and suppliers. Cequence Security is protecting these organizations by consolidating multiple application security functions into a patented, AI-powered software platform that automatically detects and defends against a broad range of application attacks. The platform, which supports multiple security modules, is designed for rapid deployment to support today's container-based, cloud-native application architectures. This enables advanced security to be "baked into" applications as they are continuously developed and deployed on-premises or in the cloud. Cequence Security is led by industry veterans that previously held leadership positions at Palo Alto Networks and Symantec. Customers include F500 organizations across multiple vertical markets, and the solution has earned multiple industry accolades.



Problem

Public facing applications remain a primary target for attackers – both bad actors and bad bots. Their objectives include account takeover, financial fraud, identity theft, and much more. Web application firewalls (WAFs) have traditionally been one of the security tools used by enterprises to detect and block application-level attacks. WAFs are typically deployed as in-line devices and rely on pre-defined signatures to detect and block behaviors and threats already known to be bad. In recent years, attack techniques have evolved significantly – increasingly exploiting zero-day application vulnerabilities and employing armies of malicious automated bots – to evade detection and gain access to internal resources. WAFs, CDNs, and first-generation bot management tools have all been deployed in attempts to detect and stop attacks. But they are complex to manage, impact application performance, and fail to deliver adequate application protection.

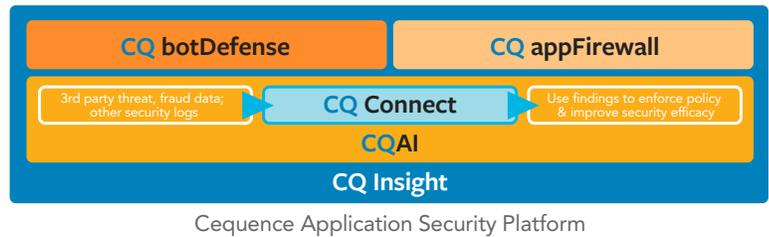
Solution

Cequence Security is focused on solving this problem with its innovative Application Security Platform (ASP), an open, modular software platform powered by CQAI, a patented analytics engine that combines applied artificial intelligence, machine learning, and behavioral analysis to deliver three key values to customers:

- › **Discover** – CQAI automatically discovers all web, mobile, and API-based applications deployed across the entire organization, providing insight into critical assets that may be targeted and must be protected.
- › **Detect** – CQAI automatically ingests a copy of all traffic between the external client and internal application, then continuously performs multi-dimensional analysis of the entire application transaction to determine the source, target, and underlying behavior and intent of each transaction.

- › **Defend** – CQAI works in conjunction with its two security modules – CQ botDefense and CQ appFirewall – to defend against application attacks by immediately and automatically applying various policy-based mitigation techniques, including blocking, deception, rate limiting, and more.

CQ Insight is the unified central management tool that provides deployment-wide visibility and actionable information for both CQ botDefense and CQ appFirewall. Finally, CQ Connect is a tool within the platform that leverages the platform’s open API architecture to exchange all relevant information with other systems in the security architecture.

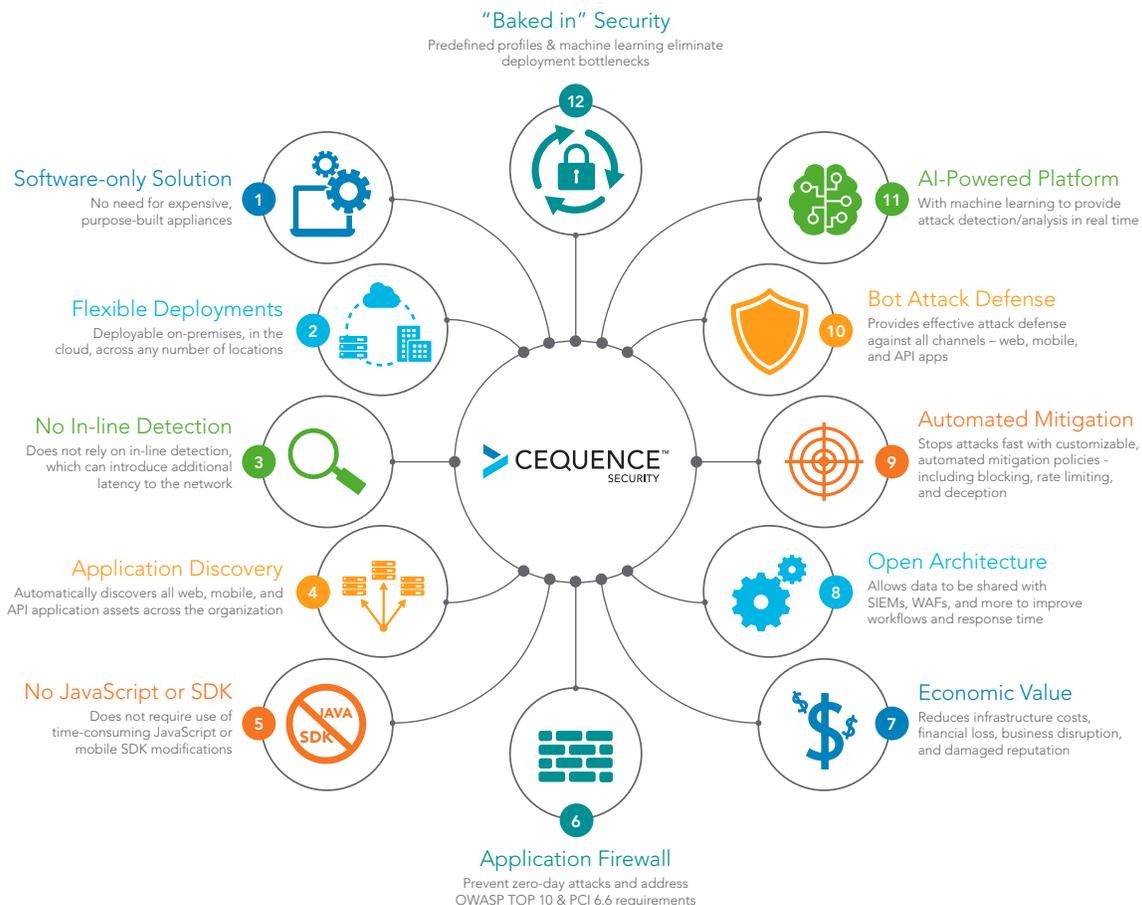


Deployment

Cequence ASP is a container-based, cloud-native application architecture. As such, it can be rapidly deployed in the data center, the public cloud, or hybrid environments. Deployments are infinitely scalable across any number of locations, yet can still be managed as one integrated application security solution.

Differentiation

Twelve Ways Cequence Security Is Raising the Bar on Application Security:



Learn more or request a demo of Cequence ASP by visiting www.cequence.ai.