imperva

CAPABILITY BRIEF

Client-Side Protection

Prevents data theft from client-side attacks like formjacking, digital skimming, and Magecart.

The widespread use of JavaScript services on web applications has created a blind spot for security teams—until now.

Imperva's Client-Side Protection gives security teams visibility and control over any third party JavaScript code embedded in your web applications.

Imperva's Client-Side Protection continuously monitors which JavaScript services are present and only allows those pre-approved to execute. Better still, any new service or changes are blocked until authorized, and if any JavaScript code is poisoned, and attempts to send data elsewhere, your security team is the first to know.

Identify and approve every JavaScript service on your website

The explosion of third-party JavaScript services within web applications creates a lucrative client-side attack surface. Unfortunately most security teams have limited visibility into communications with these services.

During Discovery, Imperva's Client-Side Protection identifies all third-party services on the website. This visibility allows the security team to easily know which JavaScript services are present. In addition, the deep insights into the reputation of each discovered service help decision making on which to allow. Ultimately, the approval of each service is in the hands of the security team.

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KEY CAPABILITIES

DISCOVERY

Discovers current services.

Continuously discovers new services.

Needs Review alerting.

Domain search and filtering.

SERVICE STATUS

Default block for any unapproved or new services.

Identifies all allowed or blocked services.

Status timestamp.

INSIGHTS

Visibility into service status.

Understand requested resource type.

Domain country origin.

Service discovery date.

Certificate status check of domain.

External domain insights.

Service location within code.

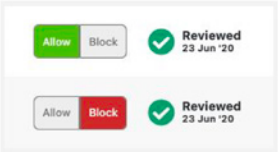
Continuously monitoring for new JavaScript services

Websites are constantly improved and updated with new code and functionality. Unfortunately, security teams are typically blind to any new services being executed. If any of these services are compromised, the website could become the victim of a client-side attack like formjacking.

Imperva's Client-Side Protection works around the clock. With continuous monitoring, the security team is alerted to any new services being executed. All new services are automatically blocked until approved by the security team.

JavaScript Service Status

Easily understand current settings including Allow, Block, or Needs Review



Two Operation Modes

Monitor mode is perfect for discovery of services requiring investigation.

Block mode prevents unapproved services from executing

Reputation Insights

Make better decisions by knowing more about the JavaScript service like domain country origin

Provide Actionable Insights to Security Teams

Beyond identification, Imperva's Client-Side Protection offers detailed insights about all JavaScript services on your website. The reputation of every service is provided. The types of resources requested are known. Rich information is provided to help security professionals make informed decisions before approving each JavaScript service.

Safe One-Click Deployment

Deployment of Imperva's Client-Side Protection is both safe, simple and fast using Imperva's Cloud Application Security solution stack. Detection starts in minutes, and websites receive all the benefits of extra client-side security with no additional latency. More importantly, because it requires no code changes, it won't break your website.

IMPERVA CLOUD APPLICATION SECURITY

Client-Side Protection is a key component of Imperva's Cloud Application Security, which reduces risk while providing an optimal user experience. Our solutions safeguard applications on-premises and in the cloud with:

Web application firewall (WAF)

Distributed Denial of Service (DDoS) protection

Advanced Bot Protection

Runtime Application Self-Protection (RASP)

Client-Side Protection

Actionable security insights

Security-enabled application delivery

Learn more about Imperva Application Security and our flexible licensing program, FlexProtect at +1.866.926.4678 or online at imperva.com

Imperva is an analyst-recognized, **cybersecurity leader** championing the fight to **secure data and applications** wherever they reside.