

How Your Web Applications Are Under Attack

QUICK GUIDE

#1

OWASP Top 10 Web Attacks

Exploit business through web app code vulnerabilities.



WHO?
Criminals



SOLUTION
Web App Firewall

#2

OWASP Top 10 API Attacks

Exploit business through API vulnerabilities.



WHO?
Criminals



SOLUTION
API Protection

#3 thru 6

DDoS Attacks (includes Ransom DDoS)

- DDoS of IP address
- DDoS of Website
- DDoS of Network
- DDoS of DNS

Bring down the IP address, web application, network or DNS to prevent access.



WHO?
Criminals and Competitors



SOLUTION
DDoS Protection

#7 thru 10

Automated Bot Attacks

- **Credential stuffing attacks**
- **Scraping attacks**
- **Scalping attacks**
- **18 other unique bot attacks**

Exploit functionality and proprietary data published on websites to abuse the business and customers in anti-competitive and criminal ways.



WHO?

Criminals, Competitors and Business Partners



SOLUTION

Bot Protection

#11

Client-Side Attacks

Continuous real-time single record data theft.



WHO?

Criminals



SOLUTION

Client-Side Protection

#12 thru 13

Supply Chain Attacks

- **Software supply chain**
- **JavaScript services**

Exploit business through compromised third party services or code within consumer-off-the-shelf software or open source libraries including formjacking, magecart and Solarwinds.



WHO?

Criminals



SOLUTION

Client-Side Protection & Runtime Protection (RASP)



#14

Legacy Application Zero Day Attacks

Exploit vulnerable code in legacy applications in proprietary code, and any unprotected internal apps from insider threats.



WHO?

Criminals



SOLUTION

Runtime Protection (RASP)

#15

Serverless Workloads Attacks

Exploit vulnerable code within serverless workloads in public clouds.



WHO?

Criminals



SOLUTION

Serverless Protection

How Imperva helps stop these attacks

Imperva Application Security provides multi-layered protection to make applications and websites always available, always user-friendly and always secure. The company's flagship Web Application & API Protection (WAAP) solution stops advanced cybersecurity threats from a unified platform with multiple market-leading products: Web Application Firewall (WAF), DDoS protection, Runtime Application Self-Protection (RASP), API Security, Advanced Bot Protection, Client-Side Protection, Serverless Protection, Content Delivery Network and Attack Analytics.

Protect your business. Easily.

For a free 30 day trial of Imperva's Cloud Application Security platform, go to www.imperva.com/free-trial. As well as downloading the more in-depth eBook which further explores each attack in greater detail, [available here](#).

About Imperva

Imperva is the cybersecurity leader whose mission is to protect data and all paths to it. Imperva protects the data of over 6,200 customers from cyber attacks through all stages of their digital journey. Imperva Research Labs and our global intelligence community enable Imperva to stay ahead of the threat landscape and seamlessly integrate the latest security, privacy and compliance expertise into our solutions.