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Protecting data
and all paths to it.

Edge Security

Ensure performance and data delivery to customers

Application Security

Prevent data skimming, compromise, and lateral movement

Data Security

Analyze all data access to stop insider threats

Best of Breed and Best of Platform

Analyst-leading products across entire portfolio

imperva

4.6/5 ★★★★★

in 150 reviews as of December 2021

Imperva named a Gartner Peer Insights™ Customers' Choice for Web Application and API Protection.

Based on 150 reviews, 92% recommended Imperva

Gartner Peer Insights Customers' Choice 2022™

2022 GLOBEE AWARDS GOLD WINNER CYBER SECURITY GLOBAL EXCELLENCE

GLOBAL INFOSEC AWARDS WINNER CYBER DEFENSE MAGAZINE 2022

THE CYBER TOP 20

SC AWARDS 25TH YEAR TRUST AWARD WINNER 2022

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3X Winner:

Most Innovative Application Security
Cutting Edge Cloud Security
Market Leader Data Security

GLOBAL INFOSEC AWARDS WINNER CYBER DEFENSE MAGAZINE 2022

THE CHANNEL CO. CRN SECURITY 100 2022

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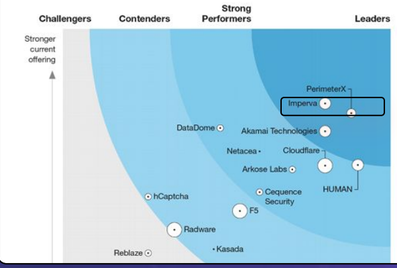
Positioned as a Leader in The Forrester Wave™:

Bot Management, Q2 2022

Learn more

FORRESTER WAVE LEADER 2022 Bot Management

THE FORRESTER WAVE™
Bot Management
Q2 2022



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2022 Fortress Cyber Security Awards Winner: Application Security & Data Protection

2022 FORTRESS CYBER SECURITY AWARD

CYBER SECURITY EXCELLENCE AWARDS WINNER 2022

FORRESTER

Delivers DDoS protection in an application suite

The Forrester Wave™: DDoS Mitigation Solutions, Q1 2021

Read the report

Gartner

Guard against tomorrow's threats today

Secure your future with Imperva — a Magic Quadrant™ Leader in Web Application and API Protection

Read the report

GIGAOM

Expansive Web Application and API Protection

Imperva named a Fast Mover and Innovator in GigaOm Radar for Application and API Protection

Read the report

kuppingercole ANALYSTS

Delivers comprehensive application protection in a single platform

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Read the report

Application Security

Applications drive business productivity and are the gateway to your data

The application attack surface is expanding, complex, and **under constant attack**

Threats have grown in sophistication with increasing financial incentives for the hackers

Understaffed security teams struggle managing the number of tools to stop the variety of attacks

Need automated protections that work at the speed of the attack

Bot traffic makes up 41% of all traffic; over 60% of that are bad bots

Websites are under an Account Takeover attack for 16% of the time on average

Average business impact of website scraping is 8% of annual website revenue

70% of Imperva Cloud WAF traffic is to API endpoints

50%+ of attempted payment fraud comes from mobile

91% of FSI orgs are using or moving to cloud services in next 6-9 months

76% of cybersecurity leaders face skills shortage

Lack of available skills is driving increased demand for automation

Imperva Best of Breed Application Security Services

Comprehensive, centrally managed protection for wherever the application is running

DDoS

Maximize network and application availability with fast response to network and L7 DDoS attacks

Industry-leading 3 Second SLA
Leader in The Forrester Wave: DDoS Mitigation Solutions, 2021

WAF

Protects applications out of the box with near zero false positives

Integrated AI and ML backed by dedicated threat research
8-time consecutive leader in the Gartner WAAP MQ

Client-Side Protection

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

Out-of-the-box blocking, fully integrated with anti-fraud solution

Secure CDN

Content caching, load balancing, and failover to securely deliver applications across the globe

Low latency, available at all POPs

API Security

Protects APIs and API Data anywhere

Advanced discovery capabilities catalog endpoints and sensitive data

Runtime Protection

Always on Zero Trust protection for applications

Managed DNS

Uninterrupted DNS resolution filters out bad traffic to only respond to legitimate requests

Bot Protection/Management

Protect website, mobile apps, and APIs from automated attacks

Leader in The Forrester Wave: Bot Management, 2022

Account Takeover

Prevents against automated account takeover fraud

One platform. Many attacks. Unified security.

DDoS Attacks

Layer 3/4
UDP floods
NTP amplification
DNS amplification
Tsunami
SYN flood
CharGEN amplification
Memcache amplification
SSDP amplification
SNMP amplification
GRE-IP UDP floods
CLDAP attacks
ARMS (ARD)
Jenkins
DNS Water Torture
SYN floods
TCP RST floods SSL
Negotiation floods
TCP connect floods
Fragmented attacks
TCP ACK floods
CoAP
WS-DD
NetBIOS

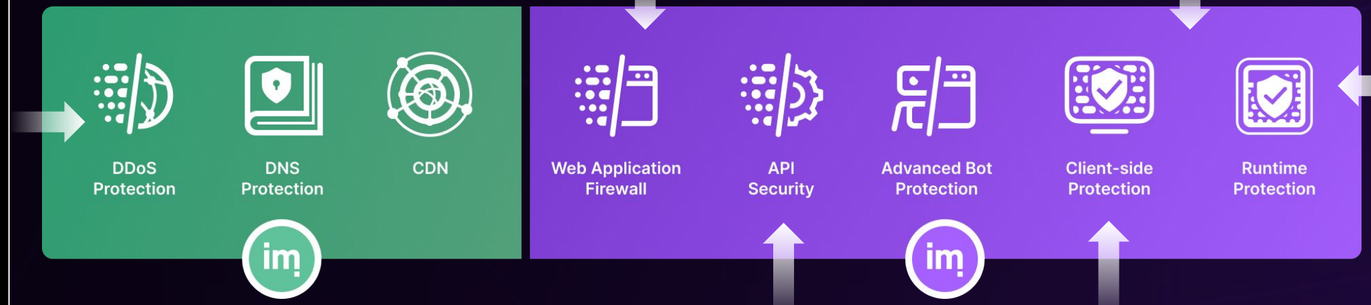
Layer 7
NS Query floods
SlowLoris attack
HTTP(S) GET request floods
HTTP(S) POST request floods
SMTP request flood

OWASP Top 10 Attacks

Injection
Broken authentication
Sensitive data exposure
XML external entities (XXE)
Broken access control
Security misconfiguration
Cross-site scripting (XSS)
Insecure deserialization
Using components with known vulnerabilities
Insufficient logging & monitoring

OWASP Automated Threats

Account Aggregation
Account Creation
Ad Fraud
CAPTCHA Defeat
Card Cracking
Carding
Cashing Out
Credential Cracking
Credential Stuffing
Denial of Inventory
Denial of Service
Expediting
Fingerprinting
Footprinting
Scalping
Scraping
Skewing
Sniping
Spamming
Token Cracking
Vulnerability Scanning



OWASP API Top 10 Attacks

Broken object level authorization
Broken user authentication
Excessive data exposure
Lack of resources & rate limiting
Broken function level authorization
Mass assignment

Client-Side Attacks

Formjacking
Credit card skimming
Card skimming
Digital Skimmers
Magecart
JavaScript supply chain attacks

Supply Chain & Zero-Day Attacks

Insider threats
Unknown new attacks
Internal facing app attacks

Techniques
Clickjacking
HTTP Response Splitting
HTTP Method Tampering
Large Requests
Malformed Content Types
Path Traversal
Unvalidated Redirects
Software Supply Chain Attacks

Injection Attacks
Command Injection
Cross-Site Scripting
Cross-Site Request Forgery
CSS & HTML Injection
Database Access Violation
JSON & XML Injection
OGNL Injection
SQL Injection

Weaknesses
Insecure Cookies & Transport
Logging Sensitive Information
Unauthorized Network Activity
Uncaught Exceptions
Vulnerable Dependencies
Weak Authentication
Weak Browser Caching
Weak Cryptography

The Imperva Application Security Platform

Gartner
Peer Insights
Customers' Choice 2022
™

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WAVE LEADER 2022
Bot Management

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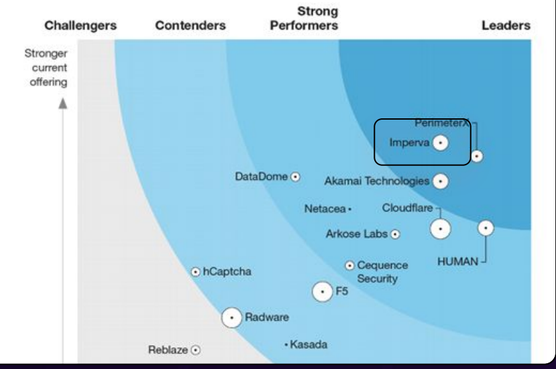

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Applied Machine Learning

DDoS

L3/L4/L7 Adaptive Policies (SD-NOC, SD-SOC)

WAAP - WAF, API Sec, Bot, DDoS

Machine Learning WAF

Advanced Bot Protection (Production Models)

Account Takeover (e.g., Anomaly Detection, Leaked Credentials)

Client-Side Protection (JavaScript Analysis)

API Security (Discovery, Classification, etc.)

Insights

Attack Analytics (Actionable Insights)

Web Application Firewall	App Protect Core	App Protect Core with AA Add-On	App Protect Professional	App Protect Enterprise	App Protect 360
Cloud-based Web Application Firewall	X	X	X	X	X
On-premise (customer-managed) Web Application Firewall	Available Separately	Available Separately	Available Separately	X	X
Custom Security Rules	50 rules per site	50 rules per site	X	X	X
Managed Security Rules	X	X	X	X	X
IP Reputation Rules	Add-On	X	X	X	X
Custom Block Duration			X	X	X
Website Multi-factor Authentication	5 users	5 users	5 users	5 users	5 users

API Security

API Schema Protection			X	X	X	
API Security for Cloud WAF	Add-on	Add-on	Add-on	Add-on	Add-on	
API Security Anywhere	Available Separately	Available Separately	Available Separately	Available Separately	Available Separately	

Bot Protection

Basic Client Classification	X	X	X	X	X	
Advanced Client Classification			X	X	X	
Rate Limiting Rules	Add-on	X	X	X	X	
Captcha Insert	Add-on	X	X	X	X	
Account Takeover - Detection	Add-on	Add-on	X	X	X	
Account Takeover - Mitigation	Add-on	Add-on	Add-on	X	X	
Advanced Bot Protection	Add-on	Add-on	Add-on	X	X	

Client Side Protection

Client Side Protection - Detection	Add-on	Add-on	X	X	X	
Client Side Protection - Mitigation	Add-on	Add-on	Add-on	X	X	

Runtime Protection

Runtime Application Self-Protection	Available Separately	Available Separately	Available Separately	Available Separately	X	

Reporting & Analytics

SIEM Integration	X	X	X	X	X	
Attack Analytics	Add-on	X	X	X	X	
Reputation Intelligence Feed	X	X	X	X	X	
WAF Dashboard	X	X	X	X	X	
Security Events Dashboard	X	X	X	X	X	
Performance Dashboard						
Real-time Dashboard	X	X	X	X	X	
Network Dashboard	X	X	X	X	X	
DDoS Notifications	X	X	X	X	X	
Data Retention	30 Days	30 Days	90 Days	90 Days	90 Days	

DDoS Protection

Protection for Websites	X	X	X	X	X	L c a
Protection for Individual IPs	Add-on	Add-on	Add-on	Add-on	Add-on	L v
Protection for Networks	Available Separately	Available Separately	Available Separately	Available Separately	Available Separately	L a c

Content Delivery Network

Dynamic Content Acceleration	X	X	X	X	X	C t c
Frontend Compression and Minification	X	X	X	X	X	F a
Full HTTP2 and gRPC support	X	X	X	X	X	F a
Session Optimization	X	X	X	X	X	U F
Smart Caching	X	X	X	X	X	I c S
Edge Cache Rules	X	X	X	X	X	F li
Origin Cache Shield	X	X	X	X	X	C c t i t

Application Delivery

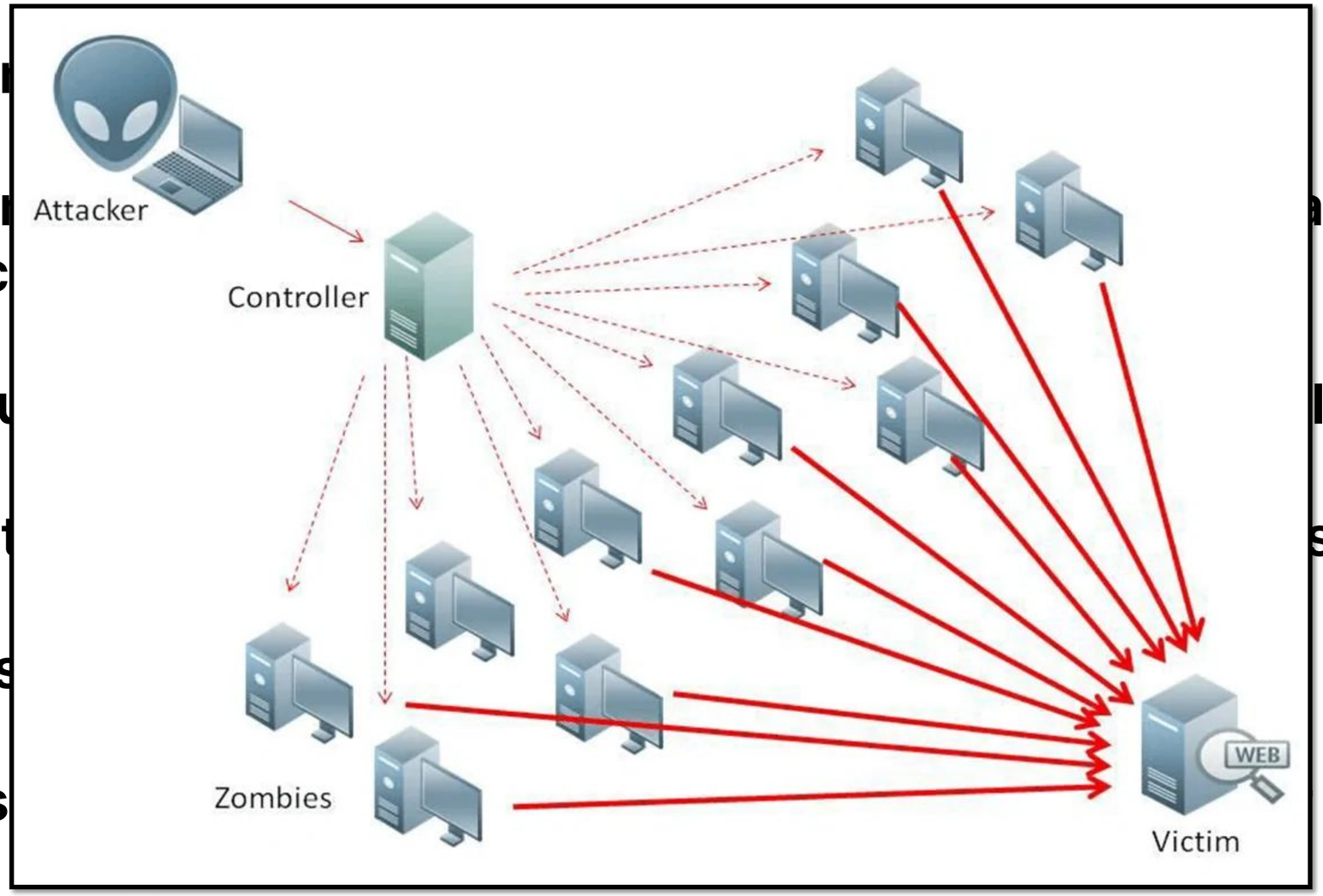
Edge Delivery Rules	50 rules per site	50 rules per site	X	X	X	
Edge Load Balancing	Add-on	Add-on	Add-on	Add-on	X	
Dedicated Network	1	1	1	1	1	
Waiting Room	Add-on	Add-on	1 Waiting Room	1 Waiting Room	1 Waiting Room	

Management

Role-based Access Control	X	X	X	X	X	
Single-Sign-On (SSO) Support	X	X	X	X	X	
Terraform Integration	X	X	X	X	X	
Management APIs	X	X	X	X	X	

Network Security

- Differe
- Differe ttacks, JavaSc
- For volu ly.
- Biggest s.
- Attacks
- Drivers fun.

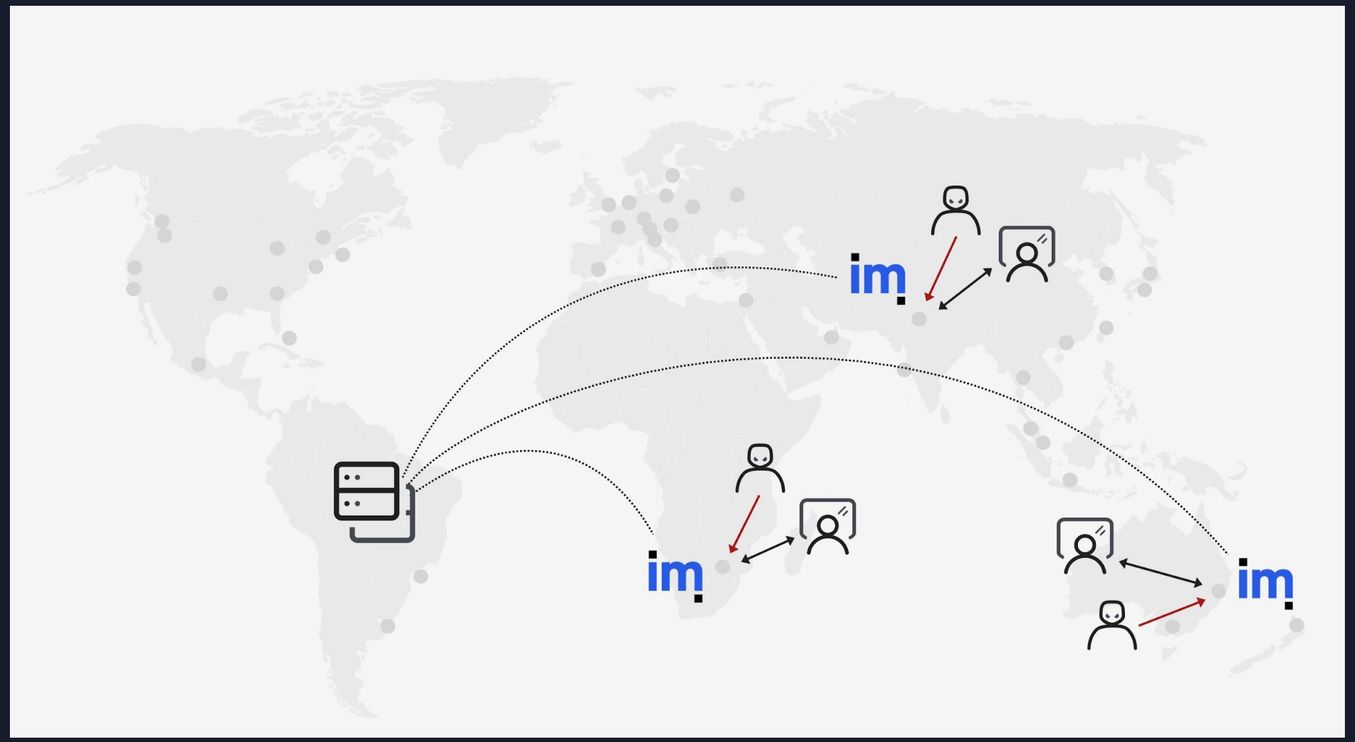


Imperva **Global Network**

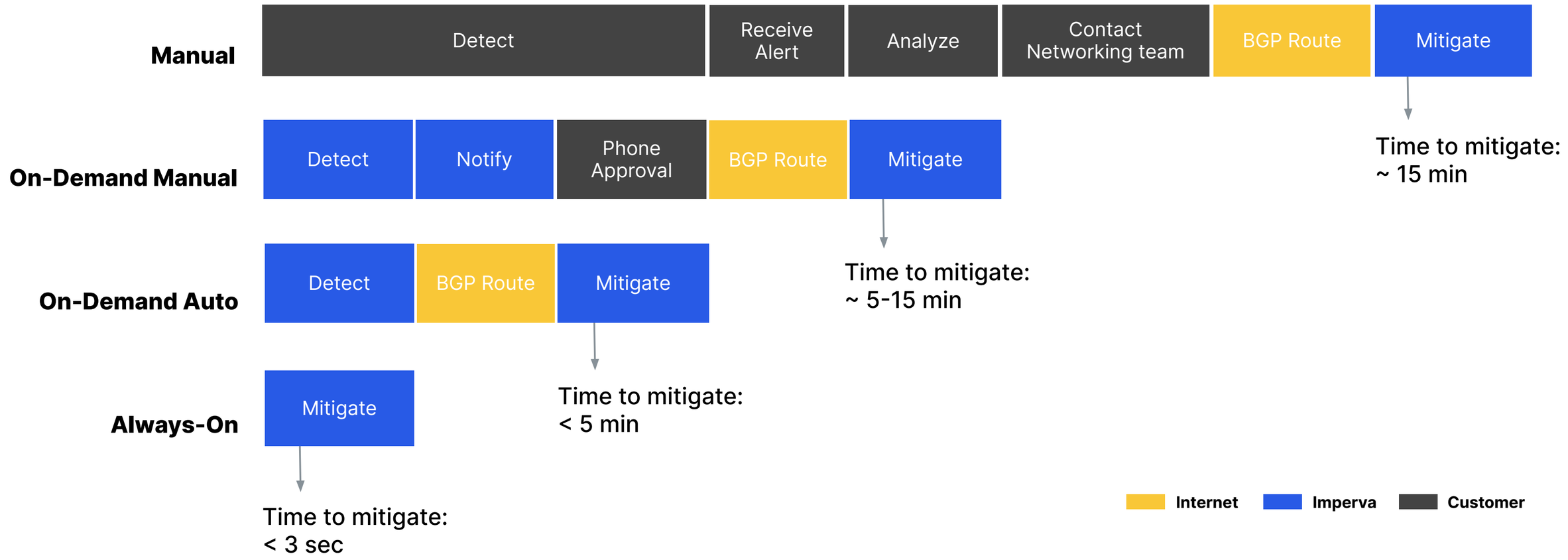
12 Tbps capacity
and still growing

62 PoPs Globally
All with Scrubbing capabilities*

Full SD-Network



	DDoS for Networks	DDoS for IPs	DDoS for Web	DDoS for DNS
Asset	Class-C+ network	Individual IPs	Websites	DNS servers
Customer	Enterprises with DCs	With cloud assets	With sites/apps	With DNS Infra
Operation	AO + On-Demand	Always On	Always On	Always On
Method	BGP advertising	DNS Update	DNS Update (A)	DNS Update (NS)
In/Out	Ingress Only	Ingress+Egress	Ingress+Egress	Ingress+Egress
Protocols	TCP, UDP	TCP, UDP	HTTP	TCP, UDP
Connectivity	GRE, EF, Direct-Connect	TCP Proxy, GRE, IPnP, IPinIP	TCP Proxy	TCP Proxy



Imperva globally distributed team - App Sec

383 full-time staff focused on Application Security

12-years average management tenure, 10.4-years average VP-level engineering talent

Global team is 95% technical and is distributed in a 24*7 follow the sun customer support mode

eNPS 38 indicating strong employee engagement globally

Data Security Fabric

Our Mission

Protect the crown jewels of every business

Imperva's proven expertise has helped customers
across IT revolutions & data explosions for all data types

Over **500,000 databases** under protection

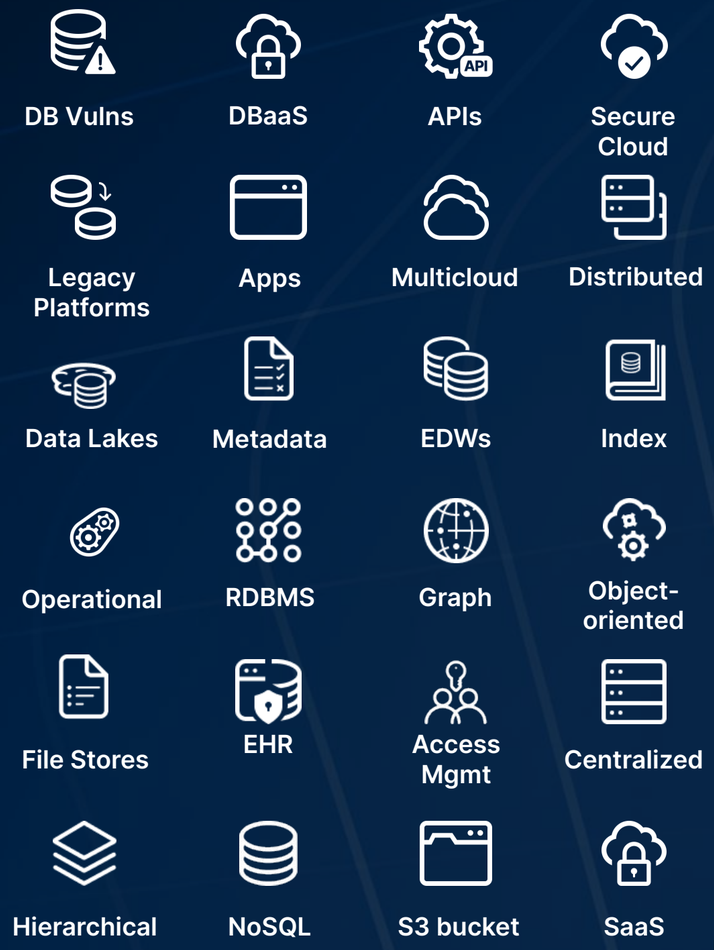
Reducing alert volume by **19 million alerts** per day...

...and saving our customers **25 million hours** of admin time annually

Across **data store divergence**, e.g., relational, non-relational, data warehouse, etc.

Through **complexity magnified by variety**, from mainframe to hybrid to multicloud; from structured to semi-structured to unstructured data

While data protection **regulations are expanding** reach and consumers are **demanding more control**



Imperva Data Security Fabric is the first enterprise-scale, multicloud, hybrid solution to protect all data types

Leverages 20-years of Imperva innovation to meet evolving cybersecurity needs

- Data Activity Monitoring
- Data Access Control
- Data Risk Analytics
- Data Discovery & Classification
- Data Encryption, Tokenization
- Cloud-native Data Security
- Data Loss Prevention
- Data Masking

Provides broadest **coverage** across multicloud, hybrid, and on-premises environments

Protects **any data sources and types**, across structured, semi-structured, & unstructured

Integrates with **ecosystem technologies** for both incident context and additional data capabilities

Unifies visibility, control, automation & insights via a single data service or dashboard

Why Imperva DSF?
The extensible solution for unified data-centric security

- Focus on security in addition to compliance
- Wide-array of capabilities
- Enterprise scale – Volume/Variety/Veracity
- Implements best practices
- Foundation layer for entire ecosystem

- Protect any data, any location, any scale
- Simplify compliance and privacy governance
- Unified experience to assess at-risk data and users
- Save time and money with automation and workflows

What the industry is saying...

"Organizations are accelerating the deployment of sensitive data across multicloud architectures, which exposes data beyond traditional network boundaries. This is scaling up the exposure to data residency and privacy risks, and a growth in ransomware and data breaches."

"A DSP significantly increases the visibility of, and control over, data and its broad usage — for example, in relation to unknown behaviors, not just narrower, privacy-related compliance goals — and therefore puts organizations in a position to truly secure their data."

Imperva DSF is a Data Security Platform,
as published in Gartner's "Hype Cycle for Data Security"
7/27/2021

"By 2025, 30% of enterprises will have adopted a data security platform (DSP), due to the pent-up demand for higher levels of data security and the rapid increase in product capabilities."

Per Gartner "Predicts 2022: Consolidated Security Platforms Are the Future"
12/1/2021

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THE CHANNEL CO. CRN SECURITY 100 2022

OVERALL LEADER LEADERSHIP COMPASS 2021

kuppingercole ANALYSTS

Leader in 2021 Leadership Compass: Database and Big Data Security

DSF provides broadest coverage across multicloud, hybrid, and on-premises environments

Public Cloud

aws

RDS,
Redshift, S3

Ex: CloudWatch

Azure

Azure SQL

Ex: EventHub

Google Cloud

GoogleDB

Ex: PubSub

3rd Party Cloud Services

mongoDB Atlas

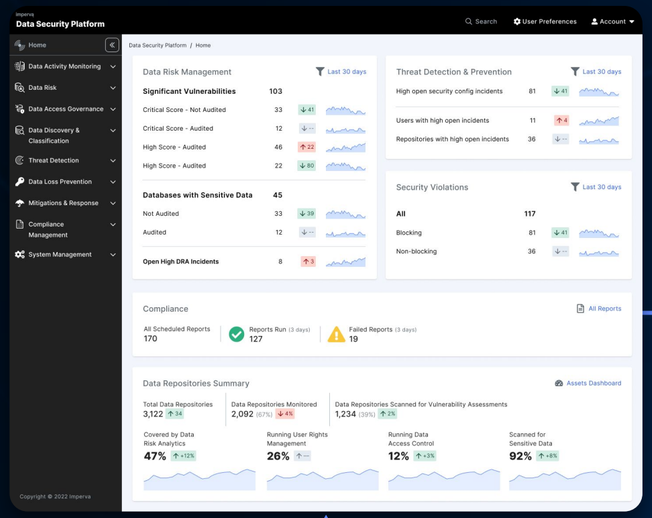
DATASTAX

snowflake

Agentless Gateways
Datacenter or cloud

Imperva Data Security Fabric Hub

Customer Datacenter or Cloud



SIEM Integration

splunk> exabeam SECURONIX

CMDB Enrichment

servicenow

bmc helix

Data Masking (Mage)
Encryption (Thales, etc.)

Datacenter / On-premises / Private Cloud

Agent Gateway Cluster

Agentless Gateways

Protects all data sources and types – from structured to semi-structured to unstructured

Cover both your **immediate needs & future integrations** as you expand use cases

Supporting **hundreds of** data repositories

Offering **thousands of** built-in integrations

DBaaS, On-premises, Files

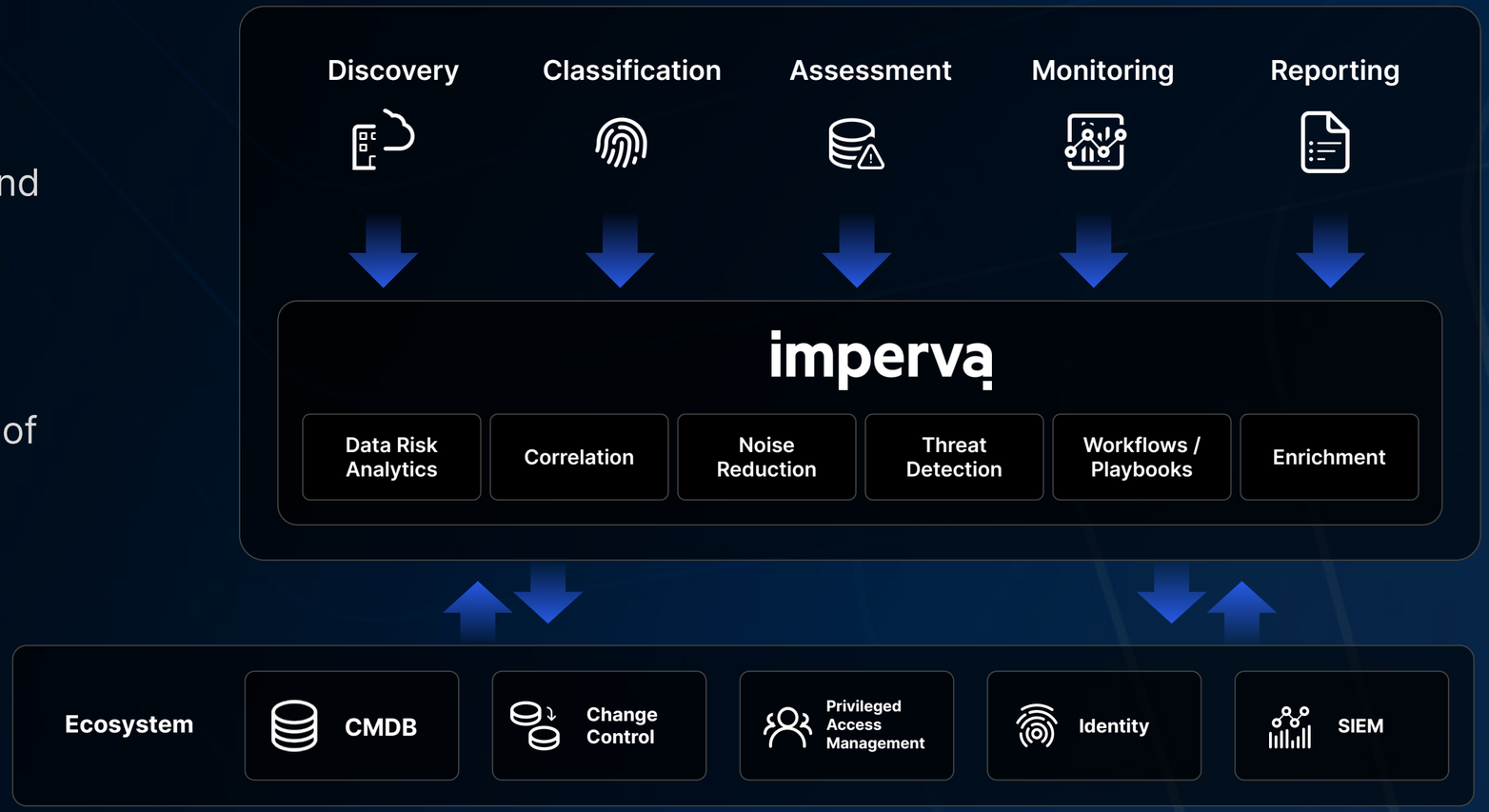
Integrates with ecosystem technologies for both incident context and additional data capabilities – fully leveraging DSF automated workflows

Integrate with your existing security and IT ecosystem

Combine technologies for the highest resolution of **data risk exposure**

Automate actions through thousands of playbooks

Speed investigation, streamline and automate decision processes



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Thank You