

Introducing Check Point's New Paradigm for Web Application Firewall & API Security

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YOU DESERVE THE BEST SECURITY



ADDING PREVENTION TO YOUR CLOUD SECURITY



CNAPE

Cloud Native Application Protection& Prevention Platform





The Only Cloud Solution Harnessing the Power of Prevention

WAF

Web Application Firewall & API Security

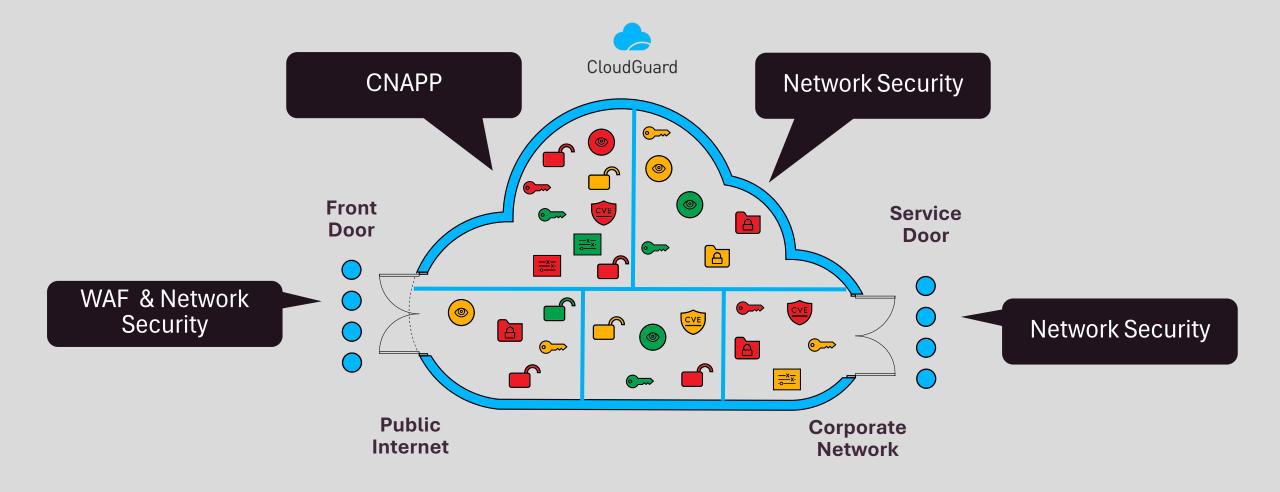
CNAPP

Cloud Native Application Protection Platform

Network

Cloud Firewall And Threat Prevention

CNAPPP →



The Only Comprehensive Cloud Security Solution to Secure Your Front Door, Service Door, and The Entire Cloud **Environment**



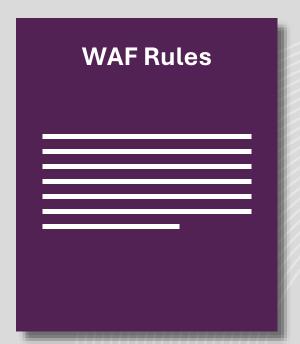
The Problem with Traditional WAFs Are They Sufficient for Modern Security?



Traditional WAF Solutions Depend on the Ongoing Maintenance of Rules & Signature Updates

Too Specific Rules

Leads to Overlooked Threat Variations and Demand Adding More Rules to Address Them





Too Loose Rules

Leads to Overload of False Positives and Demand Adding Many Exceptions



Ongoing Maintenance of Rules & Signatures Just Doesn't Work



Traditional WAF Solutions Leave You Vulnerable to Zero Day Attacks For Days or Even Weeks



On Average Traditional WAF Solutions Only Have an **86% Detection Rate** – Missing Malicious Traffic



On Average Traditional WAF Solutions Have an 8% False Positive Rate - Blocking Legitimate Traffic

Based: on WAF comparison Project

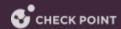


When You Choose Cloud Service Providers' WAF You Multiply Your Efforts & Lose Consistency









It's Time For a WAF & API Security Paradigm Shift

Stop Putting Your Weekend in Danger

- Relying on Rules & Signature Updates
- Reacting to Zero Day Attacks
- Missing Malicious Traffic
- Blocking Legitimate Traffic



Introducing Check Point's AI-Powered WAF How to Protect Against Zero-Day Attacks?







Powered By Contextual AI Engine

No More Manual Rules & **Signature Updates**

- Automatic Al-Based WAF Management
- **Unmatched Zero-Day Prevention**
- High Detection Rate & Low False Positives
- API Discovery & Schema Enforcement

Get Up & Running in Under 15 Min. with **Flexible Deployments Options**



No More Manual Rules & Signature Updates



Relying on Rules & Signature Updates

Reacting to Zero Day Attacks

Preemptive Zero-Day Prevention

Missing Malicious Traffic

Nearly Perfect Detection Rate

Blocking Legitimate Traffic

Nearly Zero False Positives

Wide API attack surface

Automatic AI-Based WAF Management

Preemptive Zero-Day Prevention

Nearly Zero False Positives

Automatic API Discovery & Security

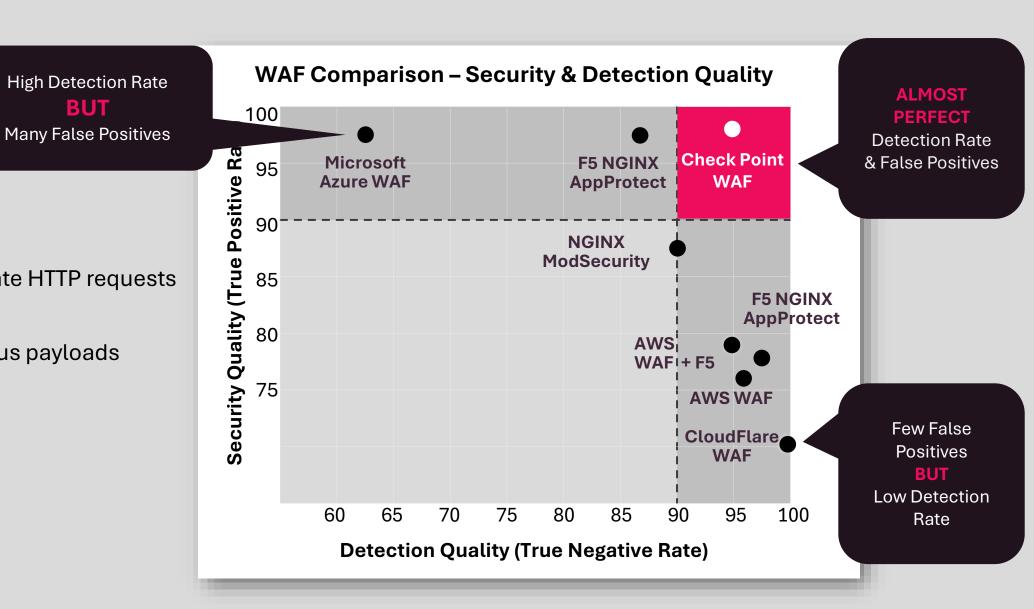


Check Point WAF #1 in Security Performance

High Detection Rate BUT

973,964 legitimate HTTP requests

73,924 malicious payloads







CloudGuard WAF Unmatched Prevention Results

Check Point WAF

98.8% vs 86.6%

Highest Threat Detection vs Top WAFs

0.81% vs 8.69%

Lowest False Positives vs Top WAFs

Preemptive **Prevention of Top** Zero Day Attacks in Recent Years



Sprint4Shell



Log4Shell



Text4Shell



MOVEit



Comprehensive Web Application & API Security



AI #1 Attack Indicator Analysis

Prevent application & API attacks including OWASP Top 10 using contextual AI



IPS

Update your defenses with the latest compromise indicators with 50+ engines packed with Al-based Features and Capabilities





AI #2 Context Analysis Engines

Eliminate False Positives & Keep High Detection Rate By Learning Applications & APIs Behavior





File Security

Analyze any files uploaded and consult Check Point's ThreatCloud regarding the file's reputation.





DDoS

DDoS attack prevention is now available for CloudGuard WAF SaaS deployment



Bot Prevention

Stop automated attacks, Inclusive of user credential abuse



Rate Limit

Limit the number of requests to an API/App resource within a configured time, scope to block DDoS attacks

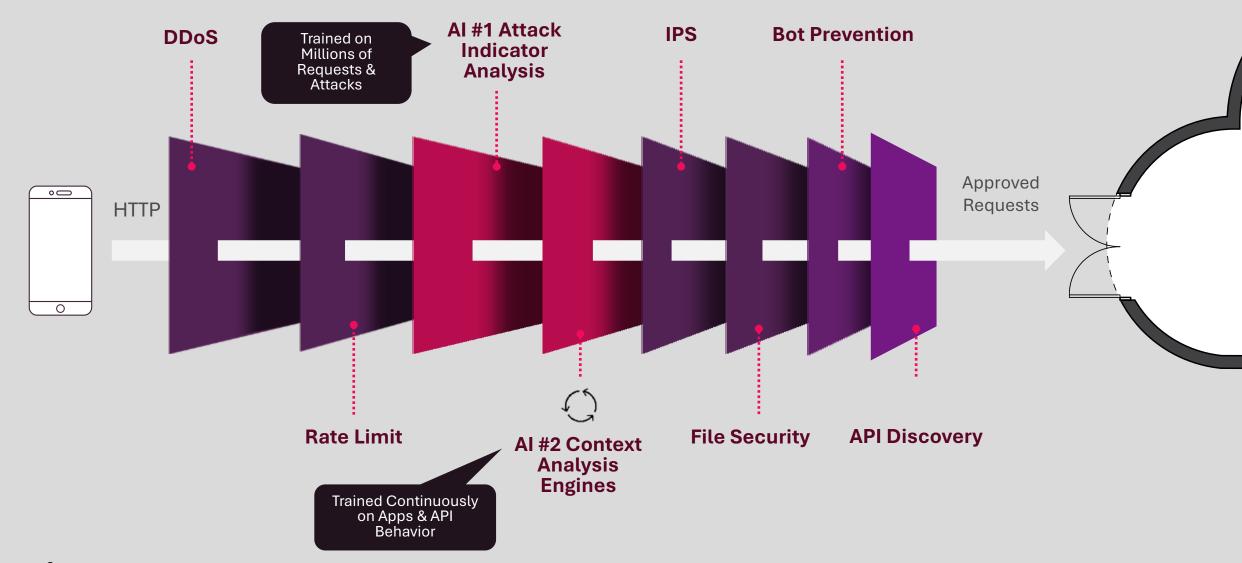


API Discovery

API runtime inspection, discovery with auto generated SWAGGER schema, sensitive data detection, and schema enforcement

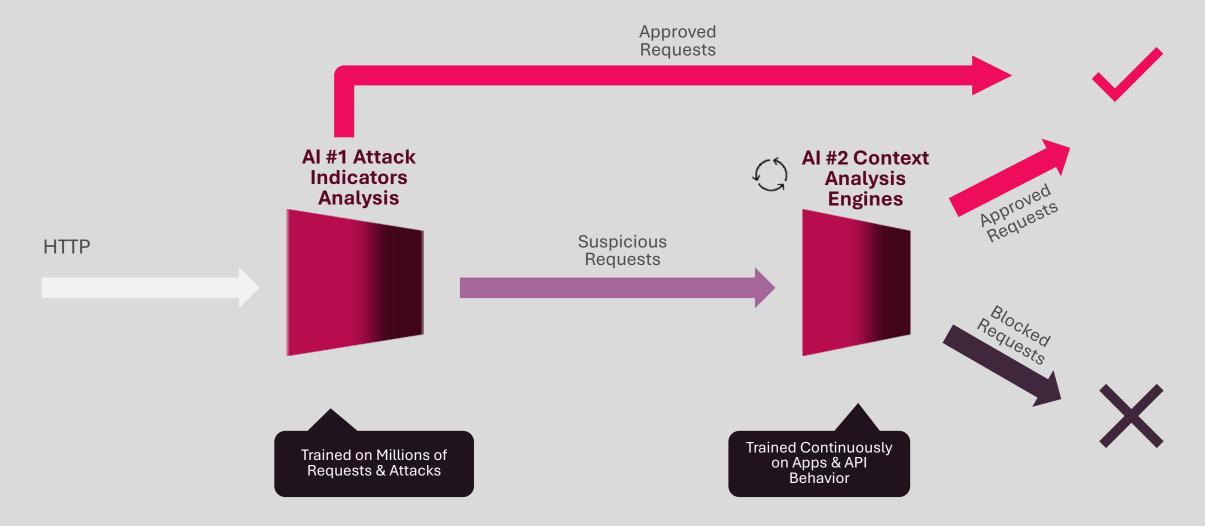


Comprehensive Web Application & API Security



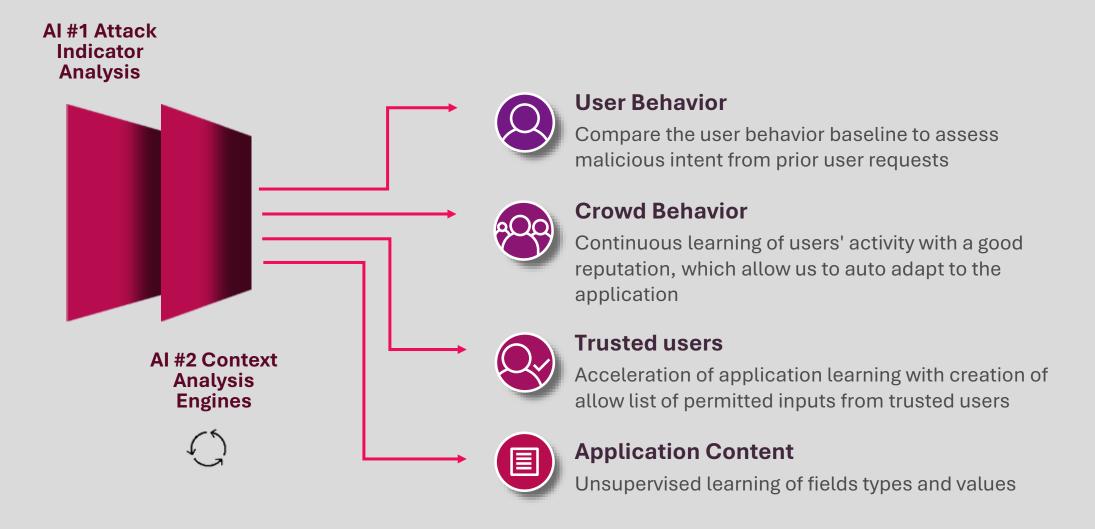


CloudGuard WAF is Based on Cascade Machine Learning Technology



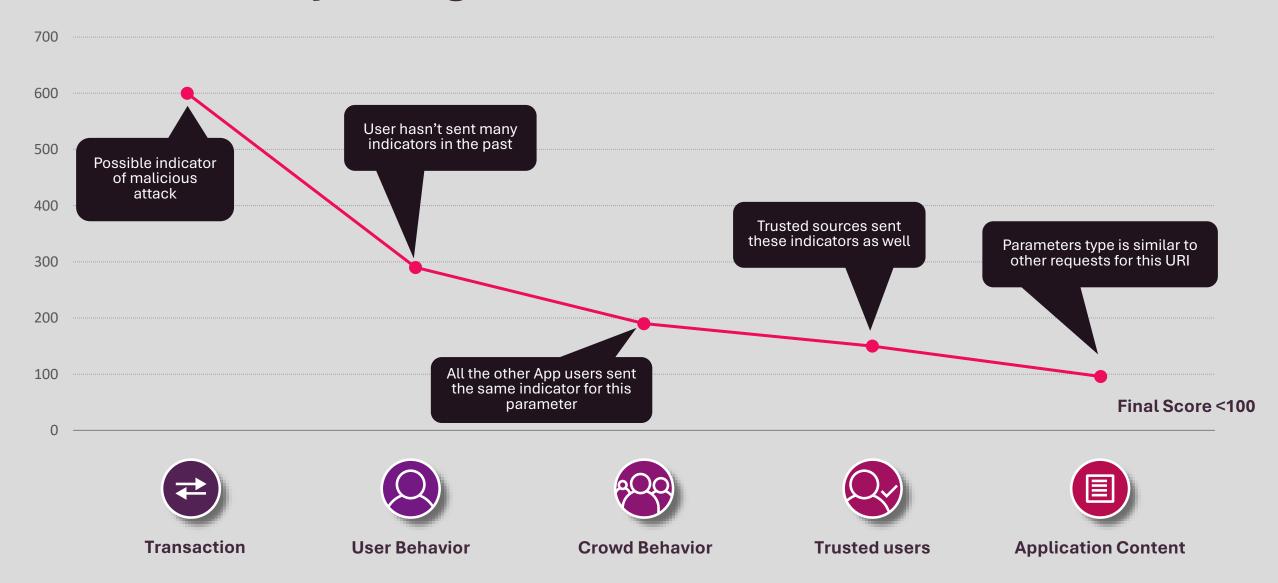


2nd AI Consists of 4 Context Analysis Engines





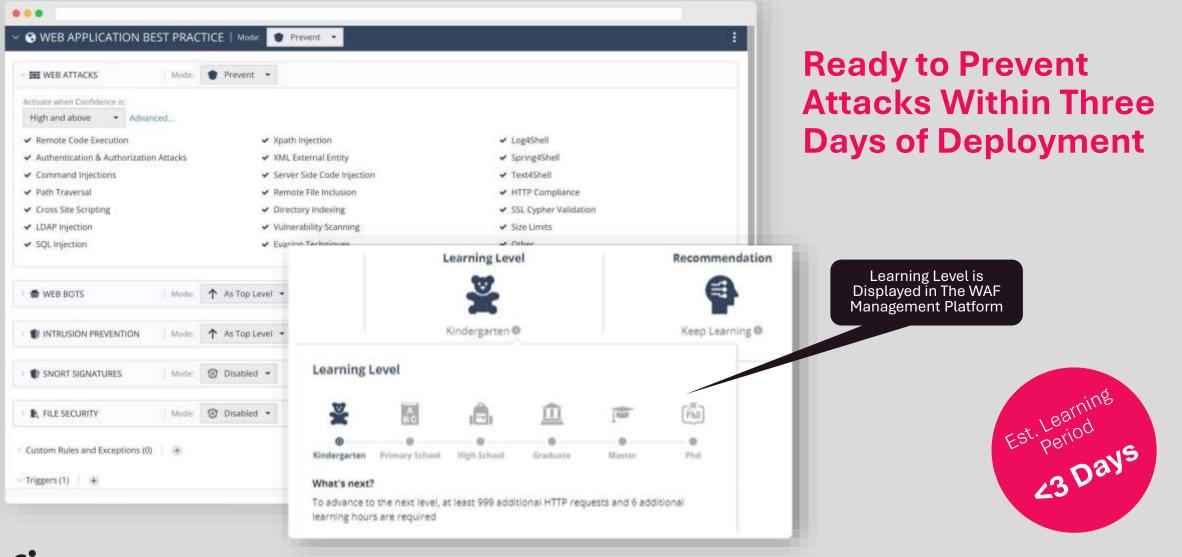
Context Analysis Engines Reduce False Positives



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CloudGuard Continuously Learns Specific Apps & API Behavior



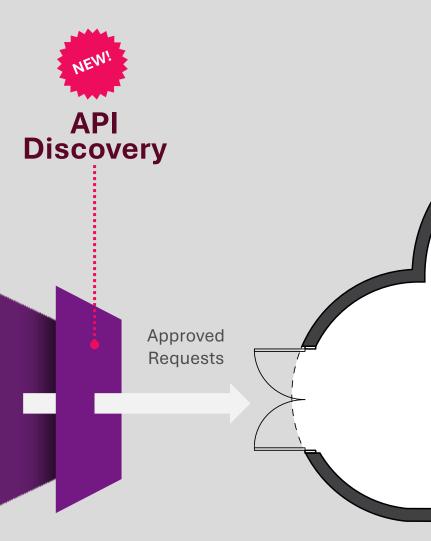
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Introducing Check Point's API Security How to Have Visibility and Protection of APIs?



New API Discovery is Now Available

- Complete Visibility Into Your API Landscape
- Full Governance Over Your API Exposure
- Complete Control Over Sensitive Data in API Responses





0

HTTP

CloudGuard WAF Automatically Discovers API Schemas and Allows You To Enforce Them

Visibility Into Shadow & Zombie APIs

Governance Over Publicly Exposed APIs

Preventing Unnoticed Sensitive Data

2. Dashboard & Full API Usage

3. Schema Validation and Enforcement

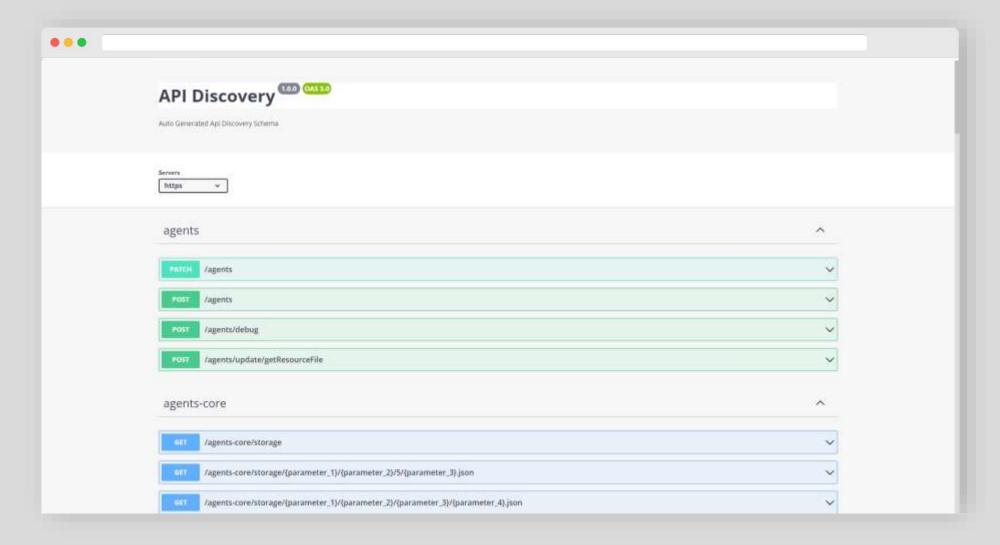
4. Sensitive Data Discovery

1. API Discovery (Auto Generated Schema)



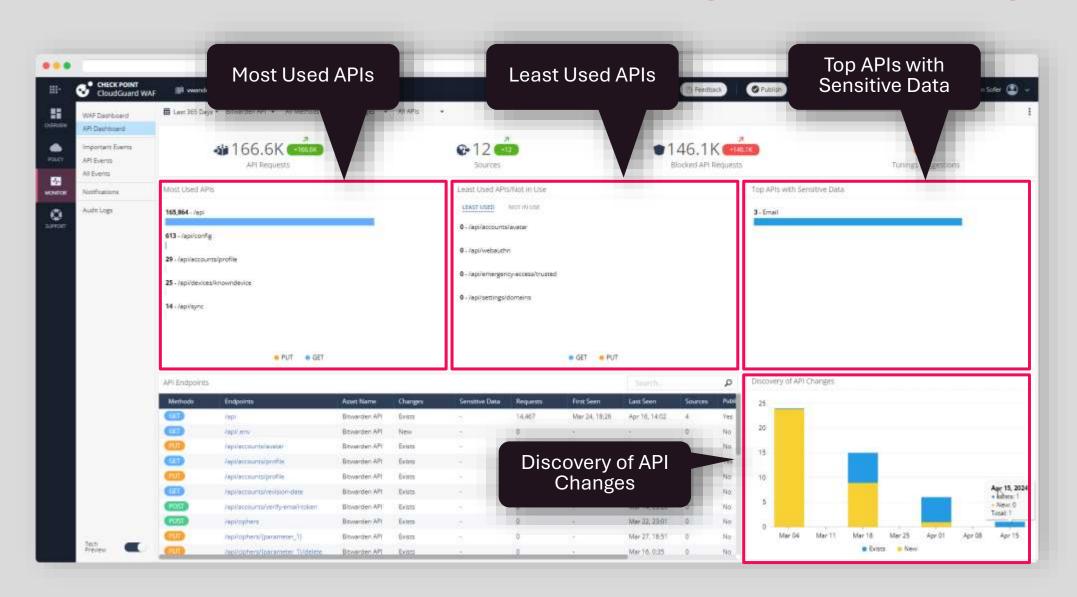


CloudGuard WAF Automatically Inspects & Generates Your API Schemas





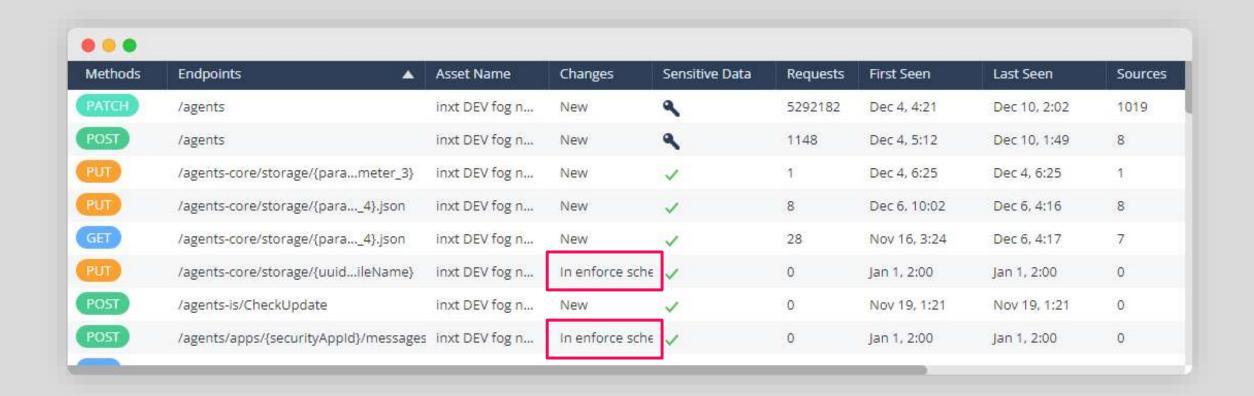
CloudGuard WAF Allows You To Manage Your API Usage



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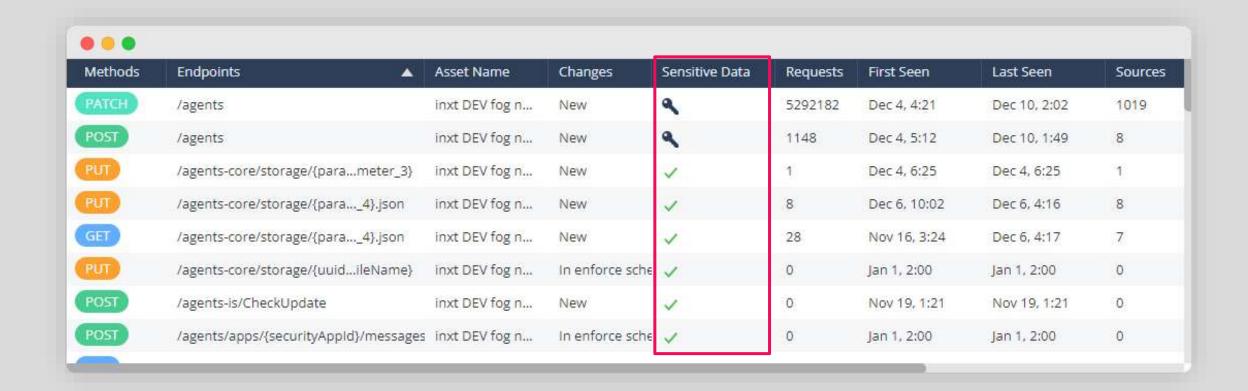


CloudGuard WAF Allows You to Enforce API Schema **Blocking Parameters and Identify Changes Outside of The Schema**





CloudGuard WAF Automatically Detects whether Sensitive Data such as PII, PCI, Keys, and Secrets Exist in the Response





4

DeploymentHow to Deploy a Cloud-Designed WAF within 15-60 Minutes?

If You Loved CloudGuard WAF, Replacing Your Current WAF is Easier Than Ever



Update Your DNS Record & Immediately Route Traffic through

WAF as a Service

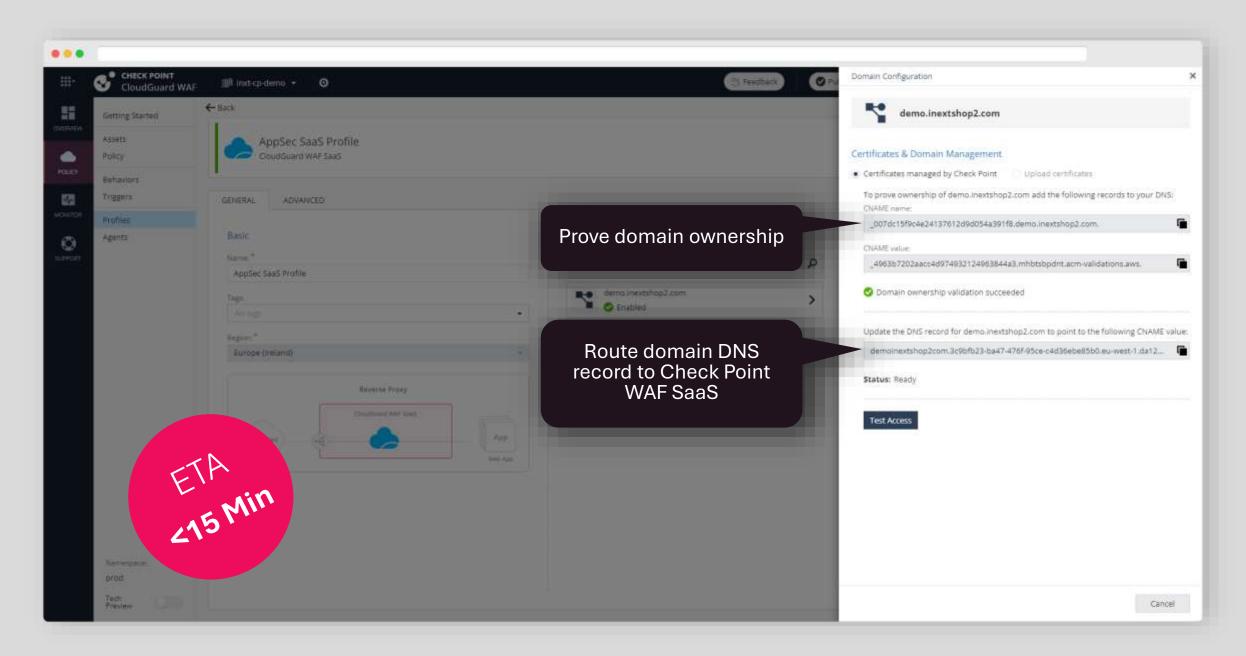
<1 Hour

Kubernetes
Ingress

<1 Hour

On-Prem.
Environment

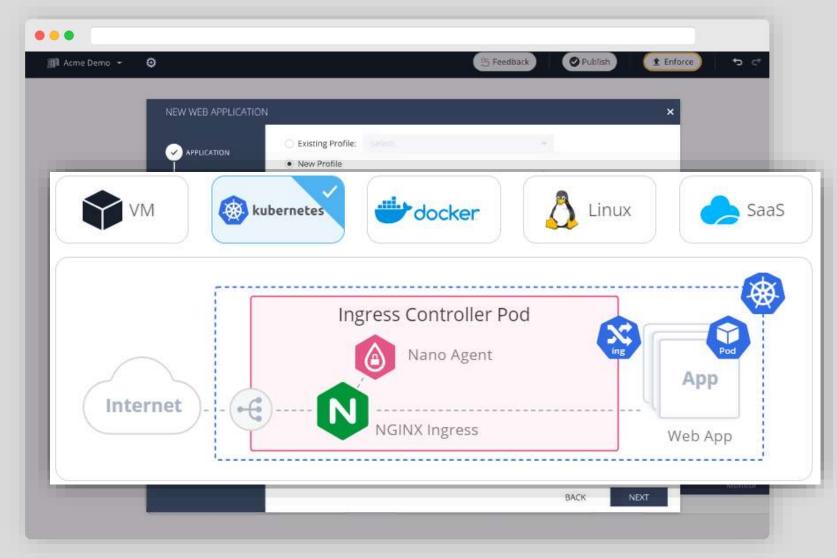




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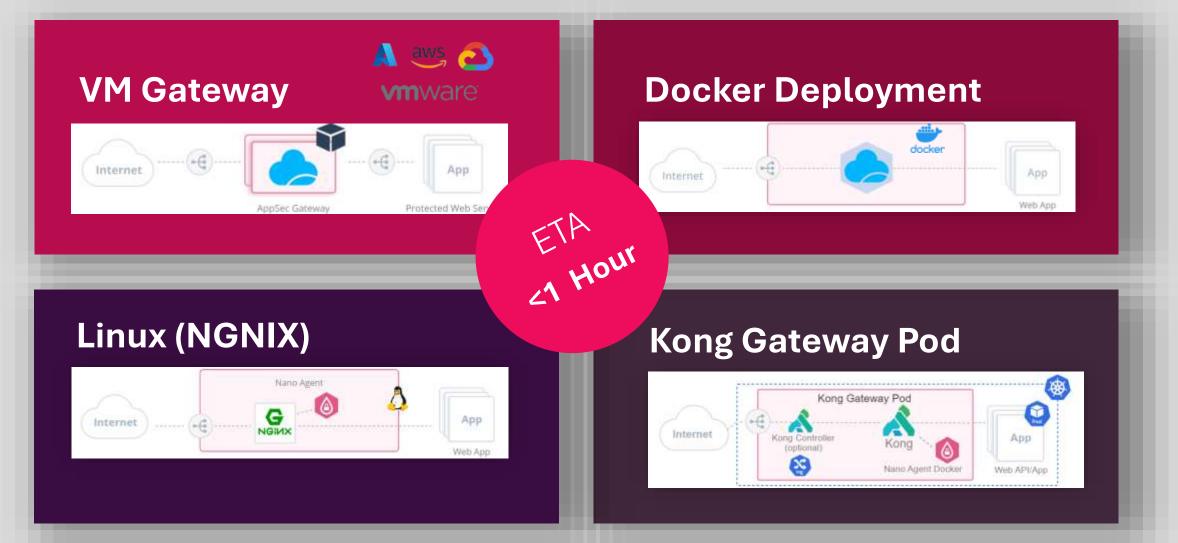


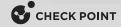
Unlike Cloud Native WAFs, CloudGuard WAF Offers Deployment Into Your Kubernetes Ingress





CloudGuard WAF Offers Additional Deployment Options





Summarizing Check Point Unmatched Advantage Over Cloud Native WAF Solutions

CHECK POINT		A aws 🖎		
Use Case	CloudGuard WAF Cloud Native WAF			
Zero-Day Prevention	✓ Immediate	× Avg. 40 days*		
WAF Management	✓ AI - Automated	× Manual		
Detection Accuracy	✓ Leader 97%	× Avg. 87%*		
API Discovery	✓ Yes	× Not Provided		
Flexible Deployments	✓ Multi-Cloud & On-Prem	× Single Cloud		

[Confidential]

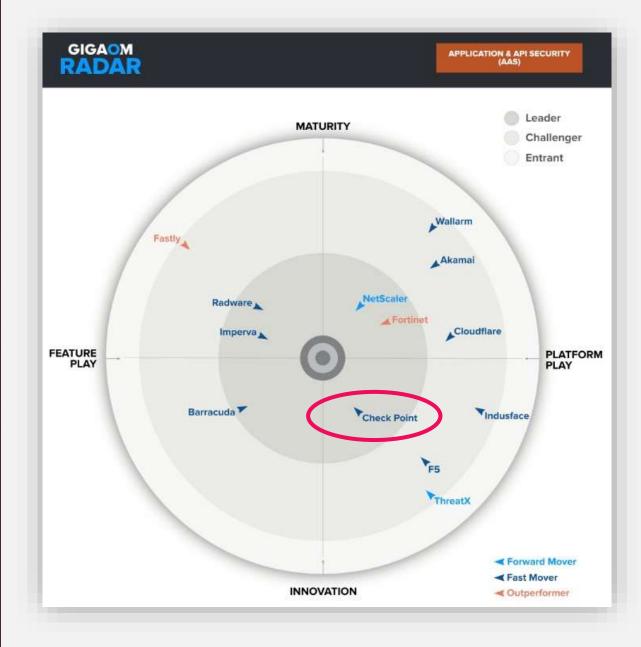


Check Point is the Leader in Web Application & API Security



Don MacVittie Analyst of DevOps, Security & Risks Analyst, GigaOm

While All Vendors can either import or detect APIs and most vendors can do both, CloudGuard is able to do both and gleaned from traffic. This earned them our highest score on the API import and discovery key feature."



CloudGuard WAF is Also Available as Open-Source

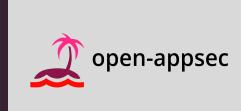


- Fully Open-Source Project
- The Only Open Source WAF Project Certified with LEXFO Code Audit
- Aligned With OpenSSF Best Practices
- Fast Growing Community with More Than 600 Active Installation



CloudGuard WAF is Offered in 3 Packages

Community



Open Source for FREE

Advanced

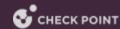


Agent-Based or SaaS

Premium



Agent-Based or SaaS



Check Point Provides Full Application Security With Open-Source Projects







CloudGuard WAF

Securing Web Application & APIs with AI-Based WAF

CloudGuard Code Security

Securing Code, Repositories, and CI/CD Pipeline





CloudGuard WAF as Part of CNAPPP Platform

Network Security	WAF	CSPM	8 Modules 8 CWPP	CIEM	CDR	DSPM	Code Security
IPS Protection	ML-based Threat Prevention		Container Vulnerability	Graph Visualization	Network Log Analysis		Code & IaC Scanning
Threat Emulation & Extraction	API discovery and security	Comice Inventory	Malware Scanning	Effective Permissions Calculation	Kubernetes Network Log Analysis	Coverage of Azure & AWS	IaC, Secret, & CI/CD Detectors
Hybrid Cloud VPN Cloud Native	Bot Prevention	Service Inventory Out-of-the-box	Runtime Threat Detection	Overprivileged Identities	Account Activity	Cloud Native Classification	Custom Detectors
WAN Integration	API Schema Validation	Rulesets Best Practice	Behavior	Detection Inactive Identities	Log Analysis Threat	Engine: Amazon Macie &	Offline & Online Scanning
Hub & Spoke Segmentation	File Security	Rulesets	Anomalies	Detection	Identification	Microsoft Purview	Software
Bot Protection, DLP, TP	Intrusion Prevention (IPS)	Compliance Standards Rulesets	Function Self Protect (Serverless)	Behavior Anomalies	Behavioral Analysis	Identify PII, PCI, PHI	Composition Analysis (SCA)
laC deployment	IaC deployment	Custom Rules	Agent & Agentless	Best Practice Violations	Anomaly Detection	Indicated as a risk factor	Repos, Local, & Pipeline Scan

Unified Findings & Asset Mgmt.

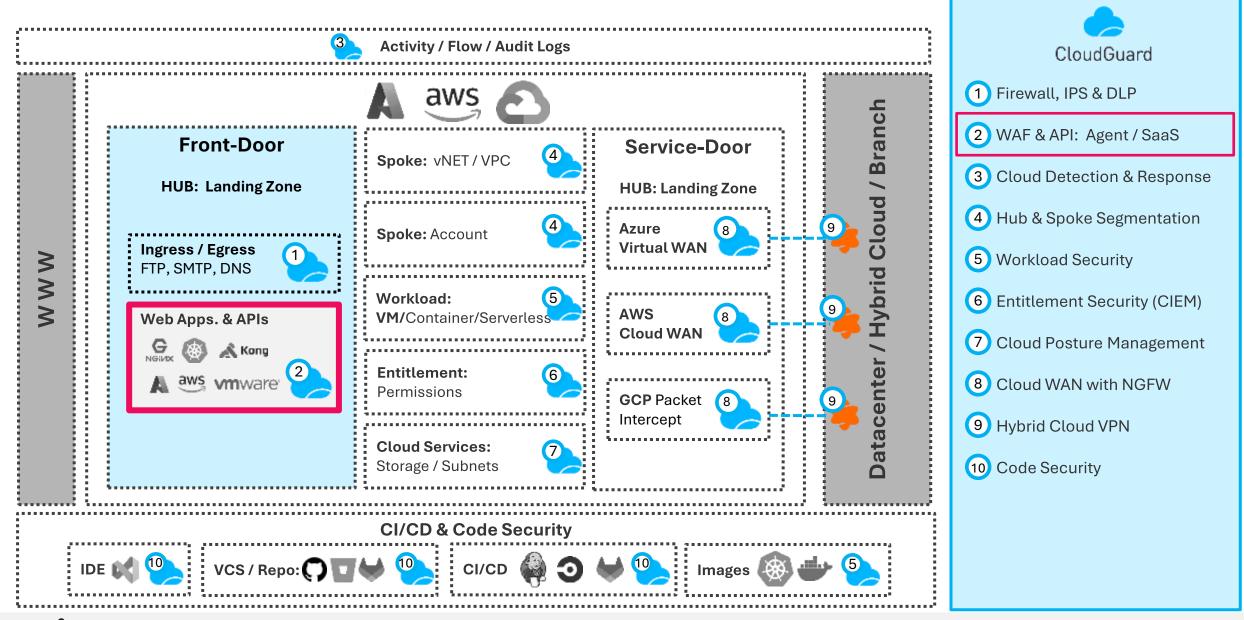
Risk Mgmt.

Remediation (Guidelines/Automatic/1-Click)

1-Click Agentless Onboarding



CloudGuard WAF & API Security as Part of Check Point Cloud Security Blueprint



Thank You

