

THIS CALLS FOR A COMPLETE RETHINK OF HOW YOU ENGAGE YOUR CUSTOMERS









































































































AKAMAI IS TRUSTED BY THE WORLD'S LEADING BRANDS.





































































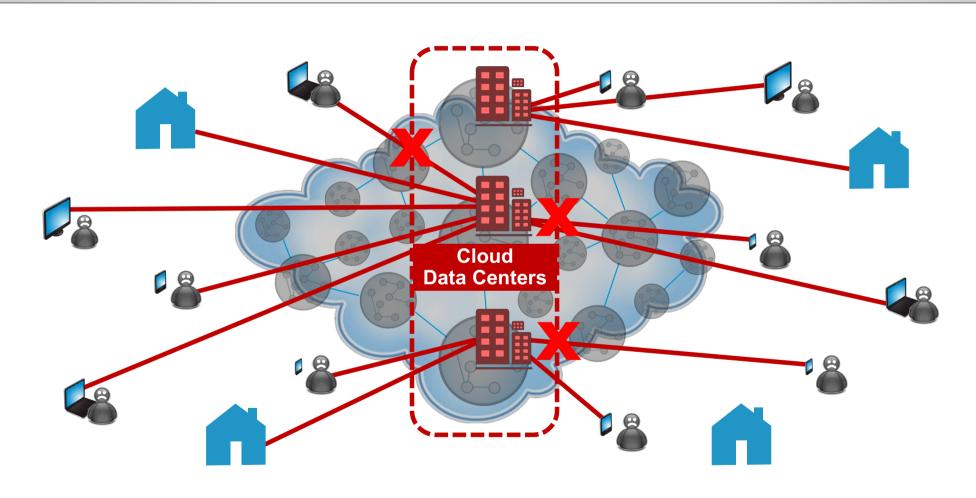
WHY AKAMAI:

The World's Largest and Most Trusted Edge Platform

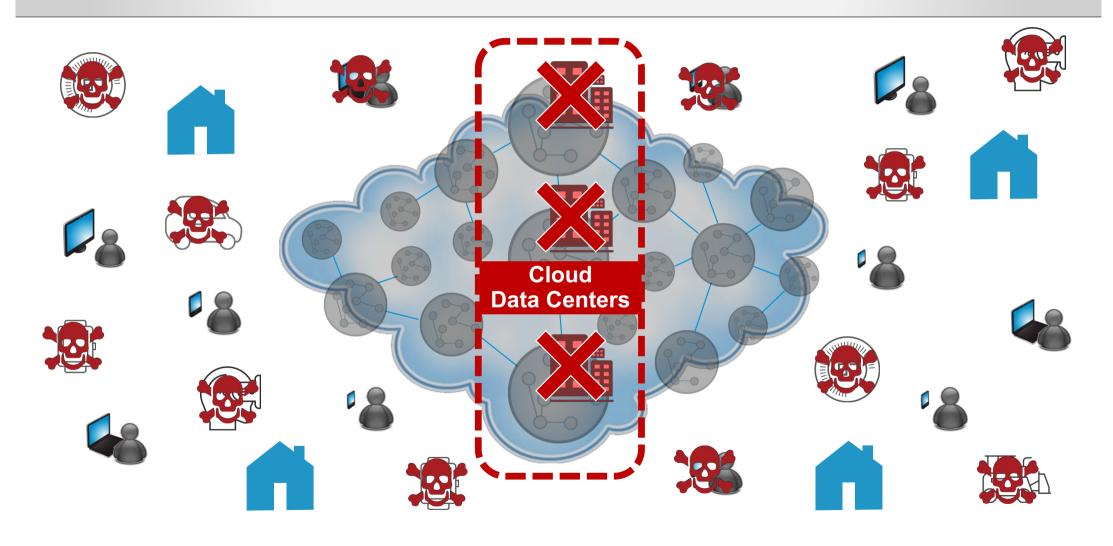




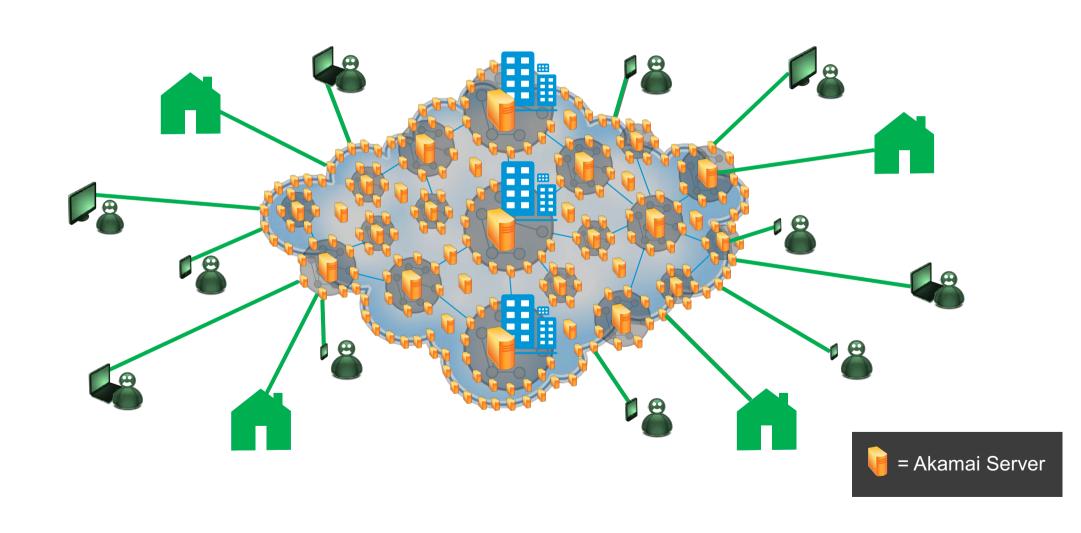
Scalability Challenge - The core gets congested



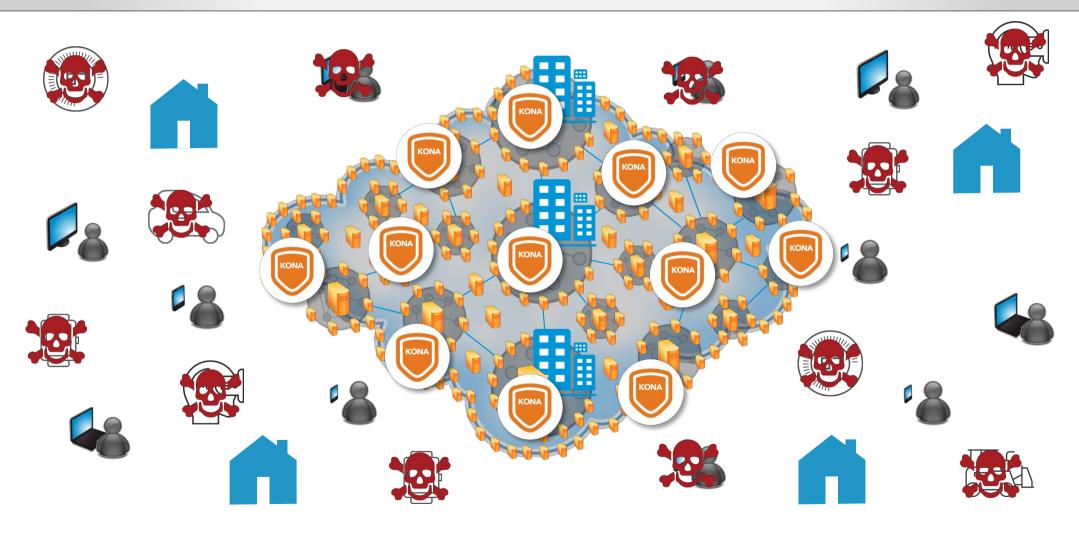
Security Challenge



Akamai's platform relieves the burden



Akamai uses a **defensive shield** to absorb attack traffic at the edge... and block application-layer attacks







AKAMAI INTELLIGENT EDGE

The world's largest and most trusted cloud delivery platform

DELIVERY

High bitrate streaming, adaptive media delivery, and fast downloads for flawless multichannel digital experiences at scale.



PERFORMANCE

Website and mobile app acceleration, with script management and powerful policies to power dynamic, engaging digital experiences.



SECURITY

Defense in depth to protect against advanced threats, DDoS, malware, phishing, and data exfiltration, with bot management.



EXPERTISE

1,900+ experts ready to support you with strategic expertise, 24/7 proactive monitoring and responsive troubleshooting.



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2018 AKAMAI∣ FASTER FORWARD™

Partnership with Hotstar – IPL 2018 10.39M 230 PB 97% +38B Peak Concurrent Minutes From Data Mobile **Viewers** Streamed Streamed Global Streaming Record on May 27



"We are delighted that Akamai has been a partner that has always walked in step with our ambitions and delivered the scale that we seek."

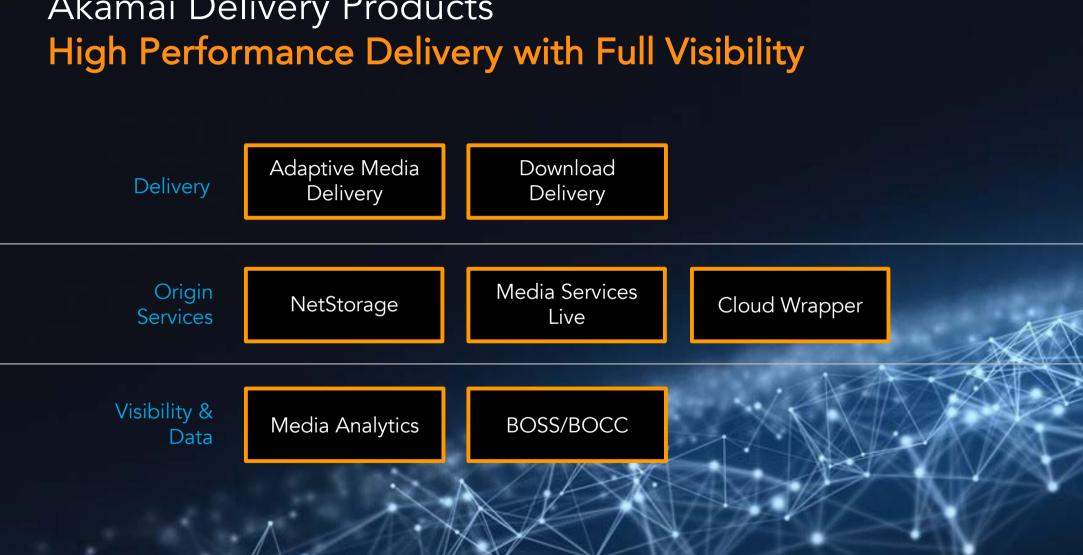
— Ajit Mohan, CEO, Hotstar



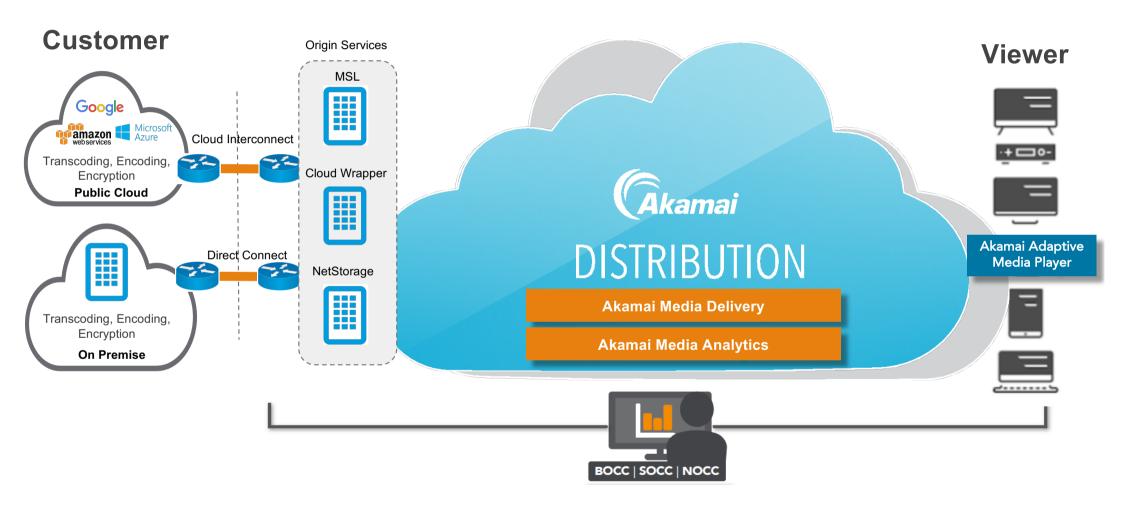
For professional video, the key challenge is delivering the best viewer experience at scale on any device, cost effectively.







Akamai Media Product Portfolio: Overview



Akamai Delivery Products

Reliable, Scalable, Secure Delivery



Akamai's media delivery products solve the problem of ensuring the highest quality streaming or download experience at scale to viewers and gamers on any device.



Adaptive Media Delivery

Delivery of HTTP based streaming media video streaming, music streaming -



Download Delivery

Delivery of large files and other downloads Online Games and Software

Adaptive Media Delivery Solutions

Ensure high-quality streaming to viewers anytime, anywhere on any device







Live Streaming

Live streaming refers to online streaming media simultaneously recorded and broadcast in real time to the viewer

Live Linear or Simulcast

Video streaming that has been programmed to start and end at a pre-scheduled time.

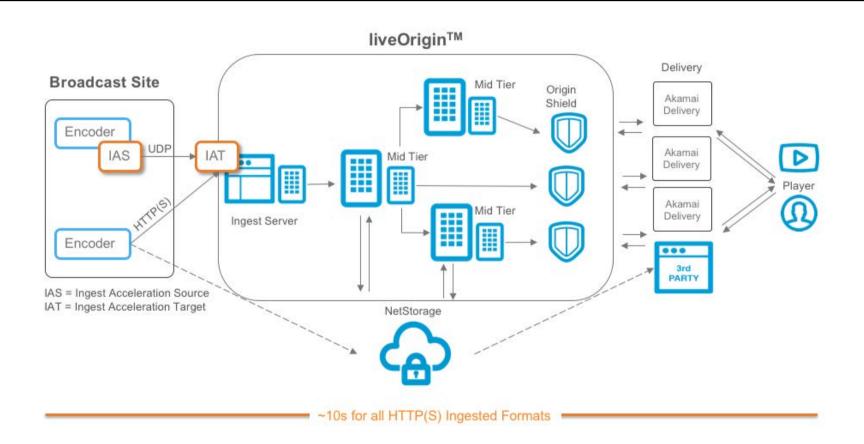
"Passive" viewing experience, meaning viewers don't "search and click", programming is sent viewer's way

Video On Demand

Video on demand (VoD) allows users to select and watch video content of their choice. Users have a catalog of available videos to choose from.

Media Services Live

Bringing the TV experience online with liveOrigin™



NetStorage

Distributed, robust, high performance on-demand origin



Globally Distributed

Media storage that supports a high quality streaming experience for viewers across the globe



Multi-way Replication

Replication of content geographically dispersed extends resilience against regional outages



Flexibility in Upload

Includes supporting standard upload methods as well as Aspera Accelerated Uploads.



Reliability & Availability

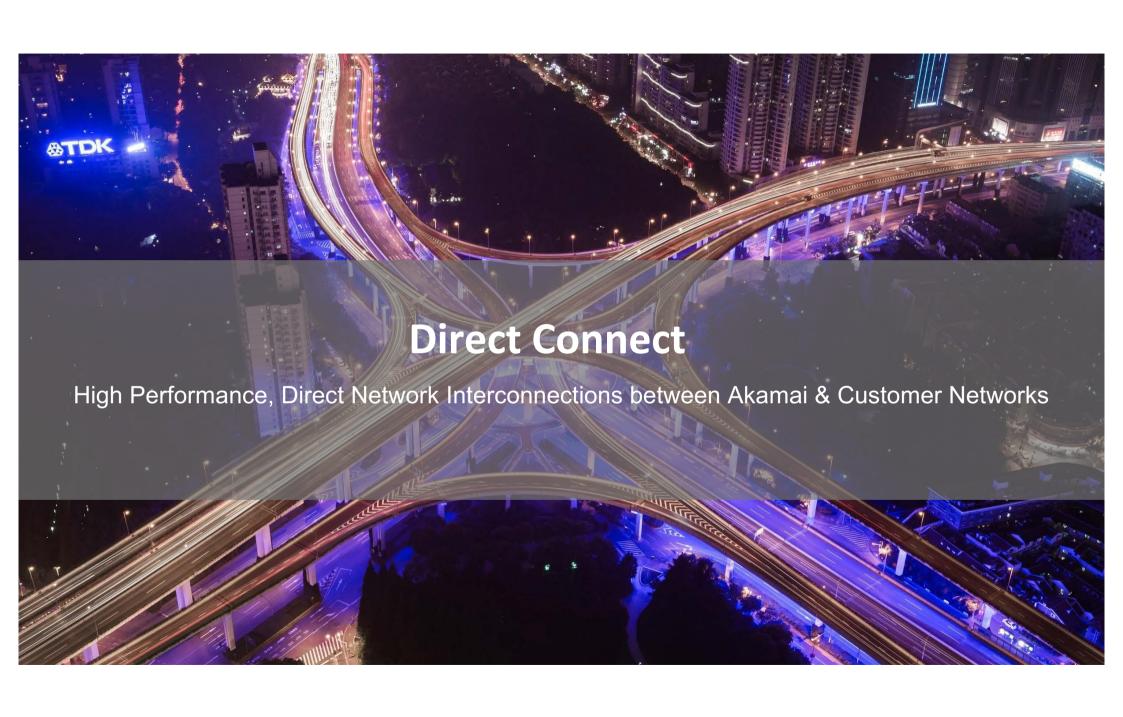
Optimal locations closest to viewers allowing for enhanced delivery performance.

Consistency in performance vs. S3

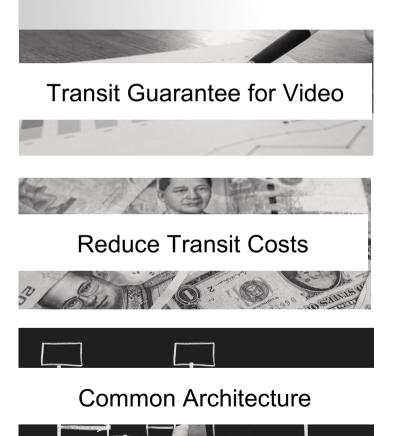


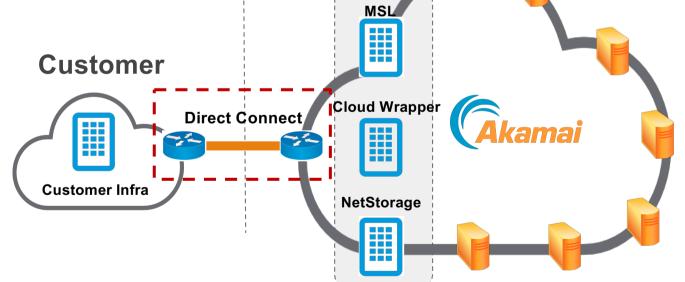
Infrastructure Scalability

Removes the complexity of storage capacity planning, and enabling rapid on-demand increases with built-in scalability



Common First Mile Transit Issues For Customer Managed Origins ...





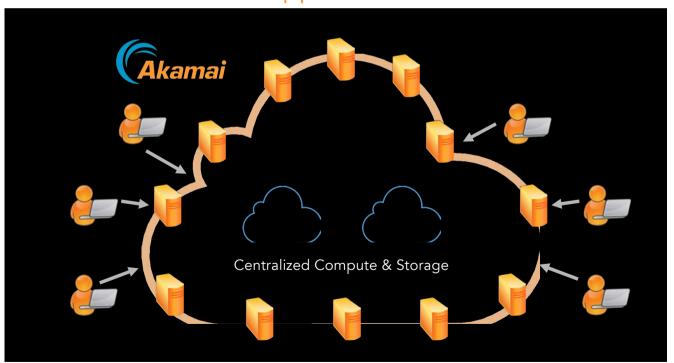
Origin Services

Cloud Wrapper

Bringing the TV experience online with liveOrigin™

Akamai's distributed network takes on even more importance as customers move to centralized public clouds for compute and storage.

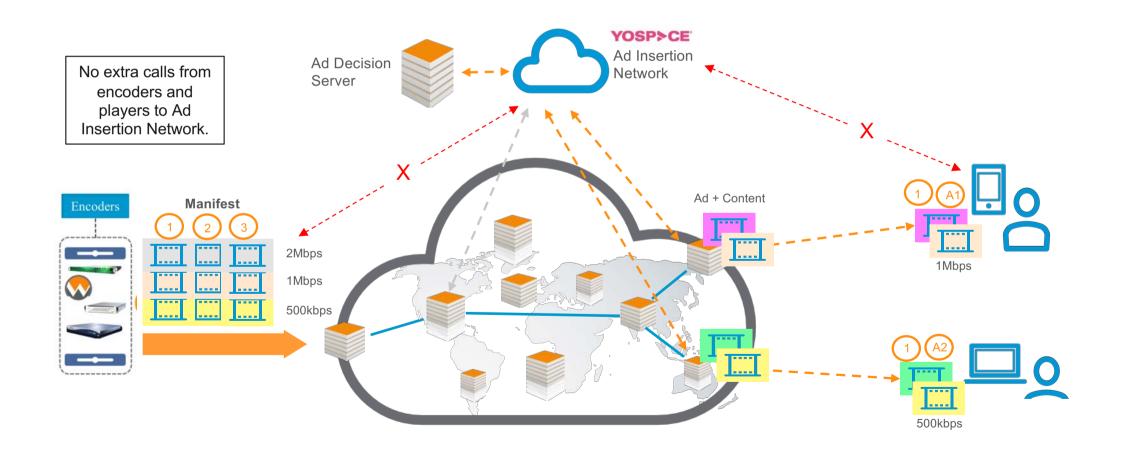
Cloud Wrapper is an innovative new offering for these customers.



- Maximized offload
- Direct connectivity
- Origin guard
- Advanced authentication
- Balancing between centralized cloud providers for improved reliability and performance

Dynamic Ad Insertion

Engaging viewer experiences with dynamically targeted, high quality ads



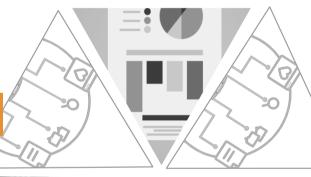
Real-Time Analytics

Visibility and insight into video performance and audience experiences.

Media Reports

Visibility into the quality of download, delivery and first-mile performance via server-side monitoring and reporting.

What's New? Updates for real-time monitoring capabilities and new metrics for Adaptive Media Delivery and Download Delivery (Q2 Release)



Media **Analytics**

Real-time Quality of Service metrics complemented by business summary dashboards for visibility into stream health and video performance.

What's New? An updated user interface and new reporting functionalities for Quality of Service Monitor (Q2 Release)



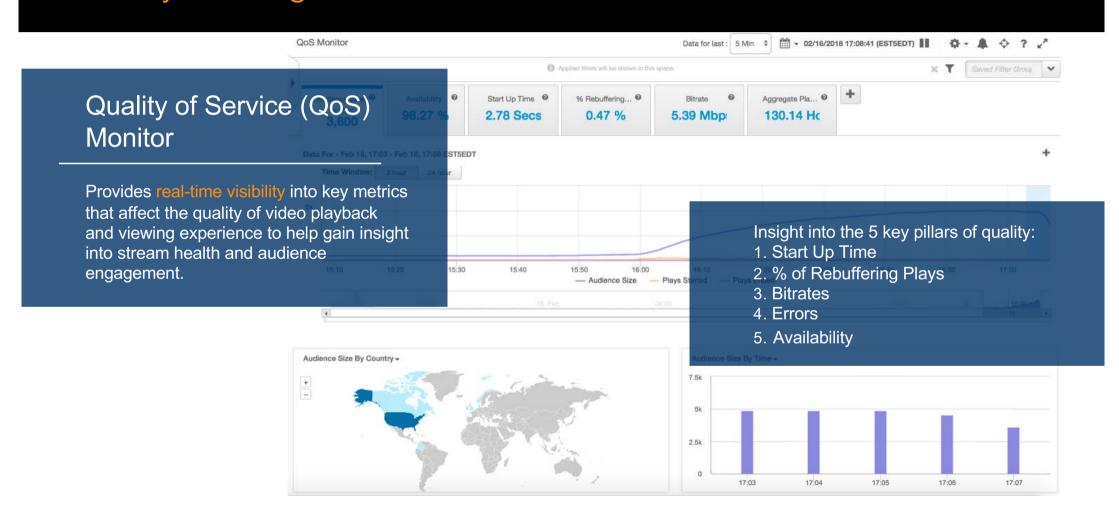
BOCC

A dedicated team of experts for 24/7 real-time, end-to-end, proactive monitoring for live event and 24/7 live linear use cases.

What's New? Q2 2018: Improved Media Services Live support for BOCC customers (Q2 Release)

Media Analytics

Visibility and Insight



Broadcast Operations Control Center (BOCC)

Service Offering Facility, Expertise and Tools for Monitoring and Mitigation

A 24/7 service comprised of a globally distributed team of media experts armed with support tools that provide end-to-end visibility into your live & live linear workflows.

The BOCC proactively monitors SLAs for rapid response, troubleshooting, and mitigation of broadcast quality and availability issues.



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PERFORMANCE IS INCREASINGLY Challenging.

Rich, engaging content

Interactive elements

1st and 3rd party scripts

Cellular congestion

Reporting and analytics

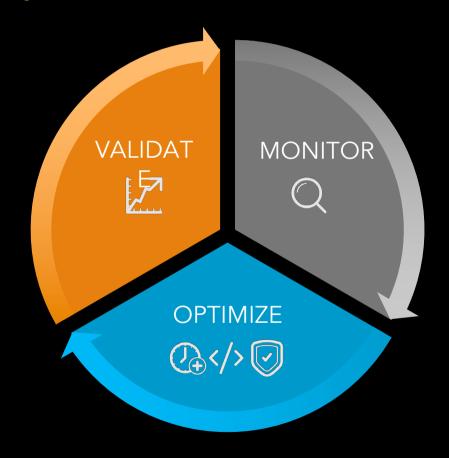
53% of mobile site visits are abandoned if it takes longer than 3 seconds to load

EDGE PERFORMANCE

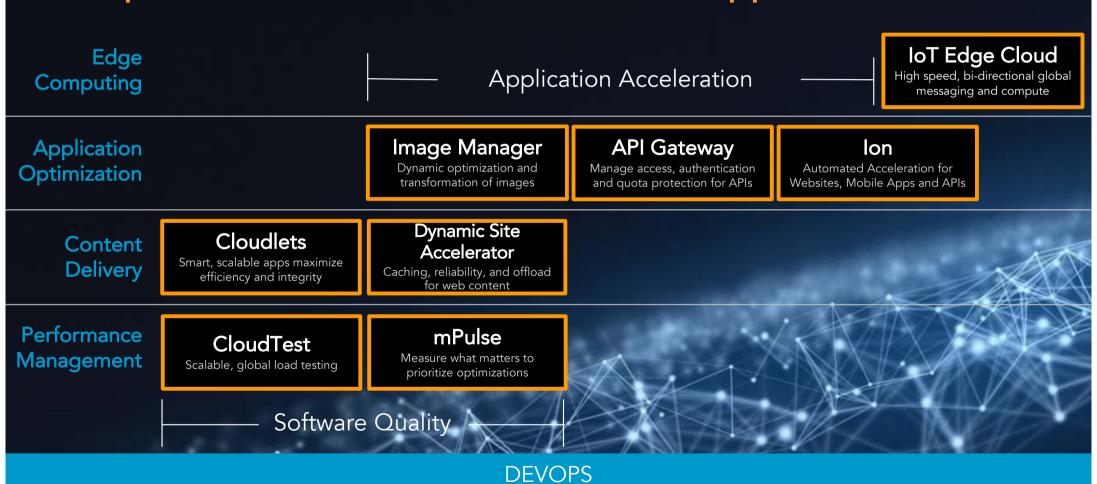
Tools to tackle the most demanding digital platforms.

Key product themes

- Insight into content, website and mobile app performance
- Technology to maximize performance and optimize content
- Tools to validate scalability and business impact

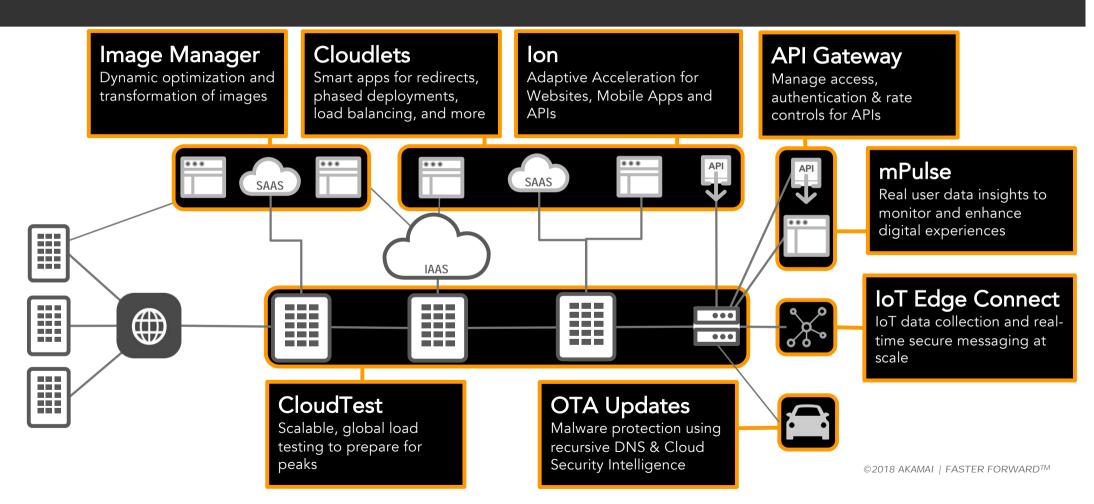


Akamai Edge Performance Adaptive solutions accelerate modern apps.



AKAMAI EDGE PERFORMANCE

Gain a competitive edge by measuring, optimizing, and validating what matters



Focus on Customer Experience Mobility, personalization, and social engagement.



Mobile Speed Index

Page rank impacted by how quickly the mobile page displays content



Request Count

Personalization and 3rd party integrations dramatically increase complexity



Page Weight Bytes

Engaging content and rich imagery increase page weight and slow response times



mPulse

Measure what matters to prioritize business impacting optimizations



Ion: Script Management

Control how JavaScript content loads to mitigate user experience challenges



Image Manager

Simplify and accelerate media management workflows

HOW FAST AM I?

HOW FAST DO I NEED TO BE?

HOW DO I GET THERE?



Identify what's slowing you down



Calculate the business impact



Diagnose and prioritize the fix



Web and Mobile Performance

Intelligent automation and controls to maximize user experiences

Maximize Performance Automatically

Deliver superior web and mobile app experiences

Adaptive Acceleration automatically adapts to user behavior and real-time network conditions Control Content *Easily*

Maximize the impact of personalized web & mobile apps

Script Management and Advanced Client Cache enable policy-based control over scripts and content to eliminate delays and errors Increase Agility Seamlessly

Improve developer agility and accelerate time to market

DevOps tools provide programmable interfaces and controls to enable automation and improve software quality









Akamai Image Manager Rich and engaging experiences that are also fast.

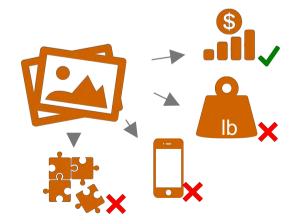
Link Transform Optimize Deliver











Reduce Cost & Effort

to create and transform images for every device

Automatically Optimize

images for maximum visual quality and performance

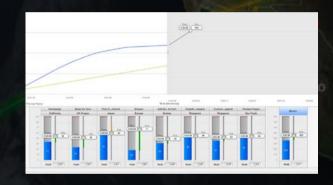
WHAT WILL HAPPEN IN THE REAL WORLD?

CAN I SCALE TO REACH MY GOALS?

WHAT'S THE BUSINESS IMPACT?



Perform Realistic
Tests from the
Cloud



Verify your apps can scale with user demand

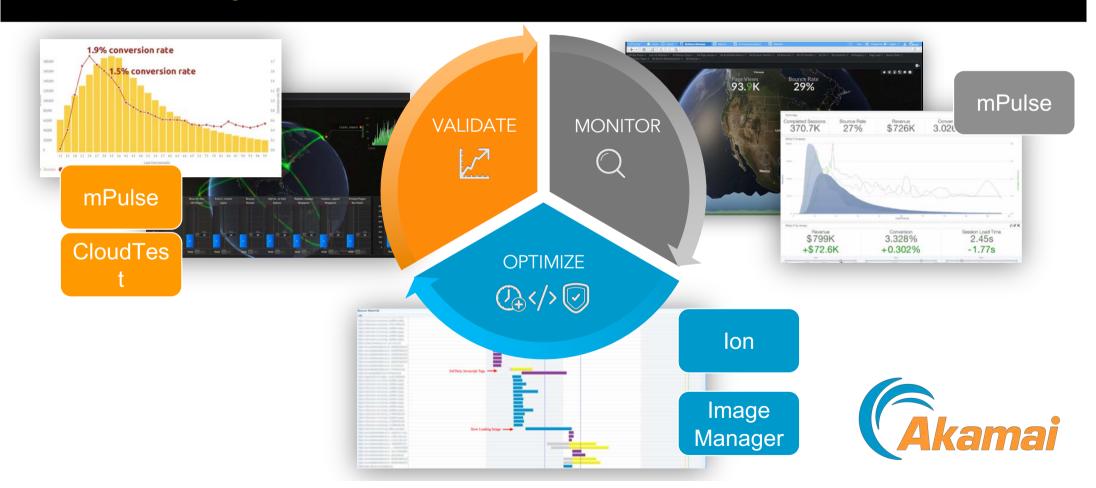




Validate optimizations & maximize revenue



Continuous Improvement Strategy Monitor Optimize Validate.



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2018 AKAMALI FASTED FORWADDTN

Most Organizations' Security Reality Today

No surprises really...

Massive Attacks

Wed, 28 Feb 2018 17:28:00 GMT
Inbound Bits: 1.35 T
Outbound Bits: 54.71 G

Mitigated Bits: 1.3 T

Persistent Attackers



ne OPM Data Breach: How the Government Jeopardized Ou National Security for More than a Generation Growing Attack
Surface



Akamai Edge Security

Key product themes



Better architecture for adaptive threat & access protection





Protect apps, APIs & infrastructure from DDoS, exploits & misuse



Safeguard against credential abuse & inventory grabbing from bots



Malware Protection



Secure Ap Access Move beyond perimeter security by stopping malware & controlling access to corporate apps

Cloud Security Solutions Adaptive threat protection as a service.

DDoS Mitigation

FastDNS

Scalable authoritative DNS service with DDoS protection

Prolexic

Managed volumetric DDoS protection

Application Security

Web App Protector

Automated, blanket protection for web applications

Kona Site Defender

Customizable, advanced app and API protection, *managed option*

Client Reputation

Machine learning service to adaptively manage traffic

Bot

Management

Bot Manager Std

Manage automated visitor traffic to protect revenue

Bot Manager Premier

Machine learning to protect against credential abuse & account takeover

API

Management

API Gateway

Manage access, authentication and rate controls for APIs

Enterprise Access

Enterprise Access

Simple, unified & secure enterprise application access

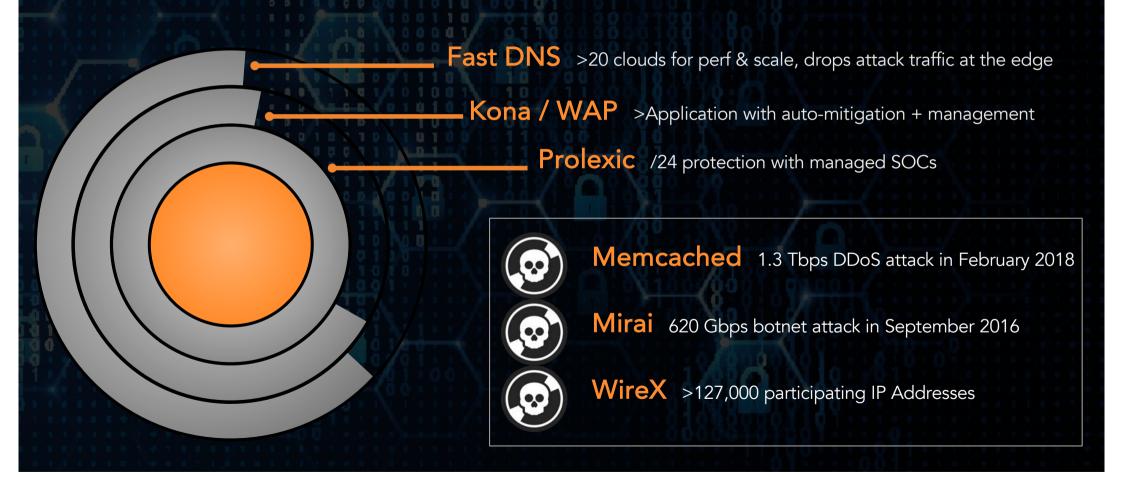
Ent Threat Protector

Malware protection using recursive DNS & Cloud Security Intelligence

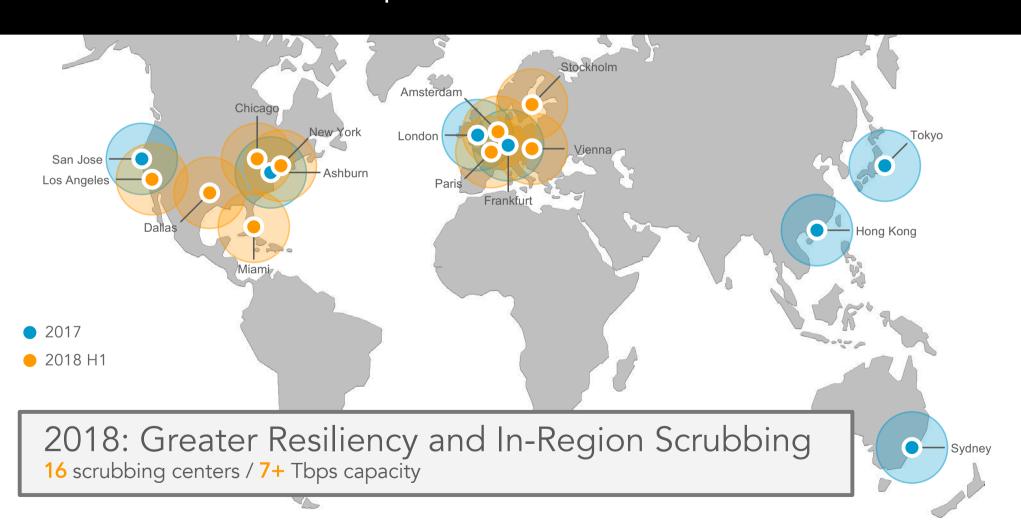


EDGE SECURITY

Layered security services provide adaptive threat protection.

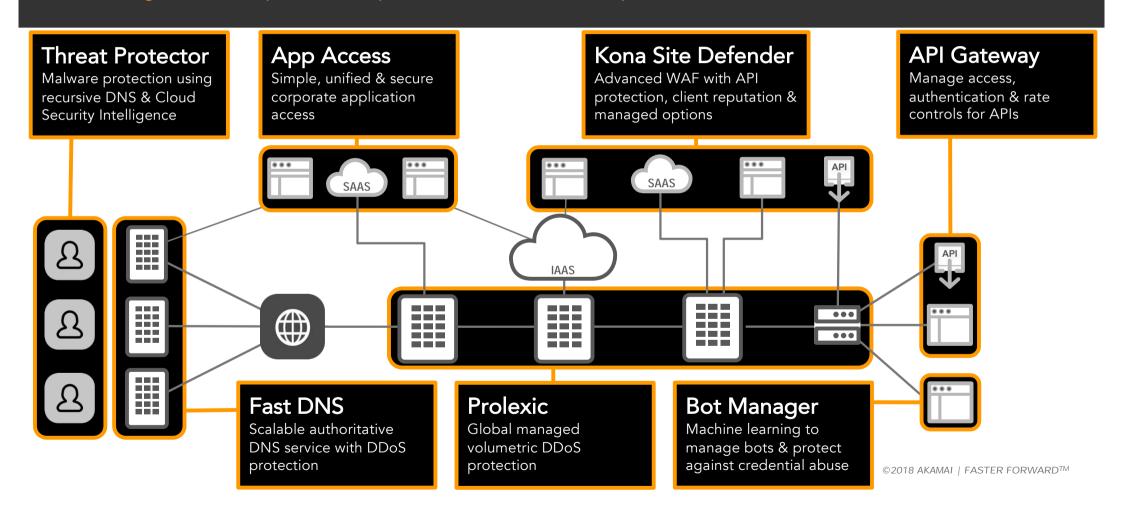


Prolexic Platform Expansion



AKAMAI EDGE SECURITY

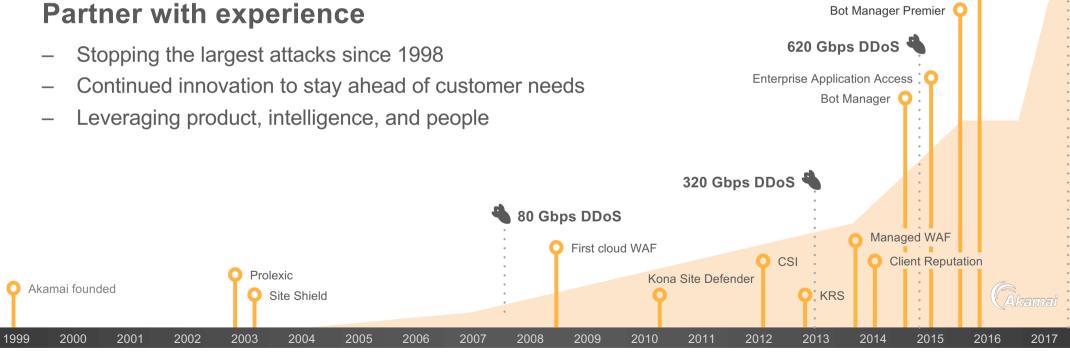
Intelligent threat protection provides defense in depth



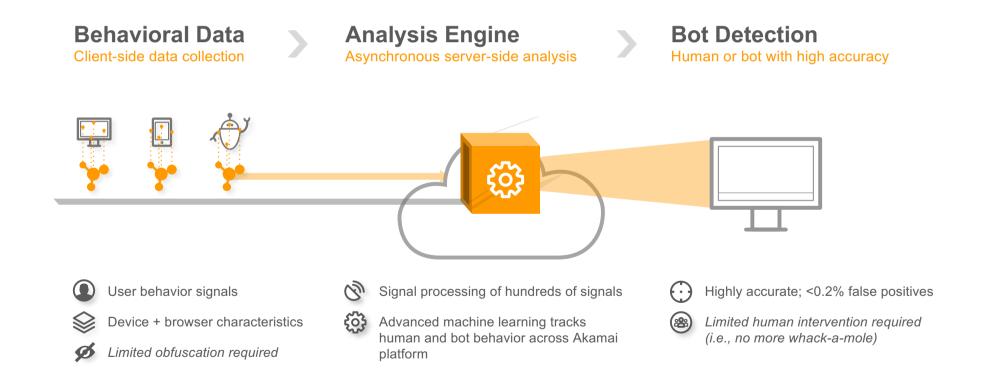
Layered Security-as-a-Service Protection from growing online threats.

1.3 Tbps DDoS

Enterprise Threat Protector



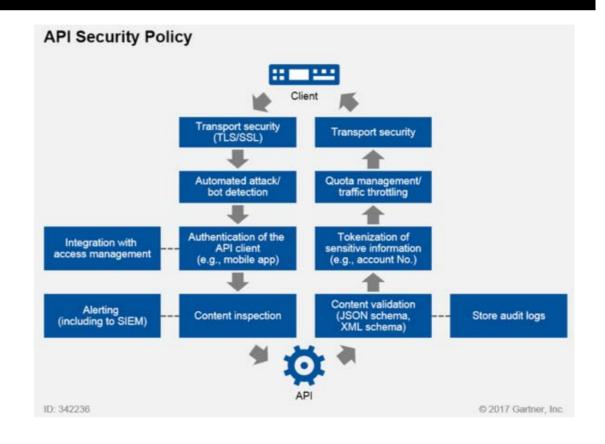
Detecting Sophisticated Bots Behavioral anomaly protection and response.



APIs also represent a significant vulnerability You need a cloud security platform to secure your data.



Dedicated to enabling organizations to develop, purchase, and maintain applications and APIs that can be trusted.



Akamai API Gateway Scale access & simplify policy controls for APIs

Scalable Access Control

- Offload validation from origin to the edge
- API key-based authentication and JWT authorization
- Filter out unauthorized requests before they reach your origin



User Quota Enforcement

- Control API requests over longer intervals
- Enforce business SLAs
- Enable tiered access for data-as-a-service APIs



Developer-Friendly

- Simplify API onboarding via Swagger, RAML
- Automate management with rich set of administrative APIs
- Define caching and delivery rules down to the resource level

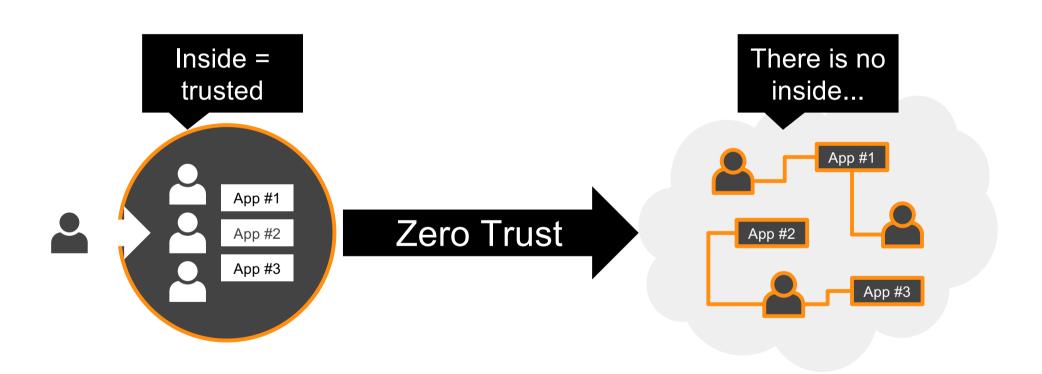


Seamless Platform Integration

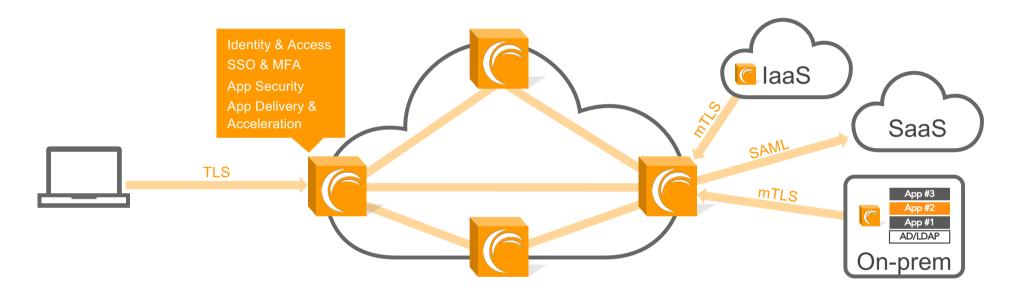
- Protect APIs from malicious traffic with Kona and Bot Manager
- Equip APIs with routing and protocol optimizations
- Improve reliability with traffic management



Perimeter Based Security Belongs In The Past Why cloud & mobile require enterprise transformation



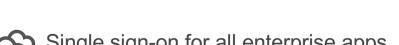
Simplify Secure App Access And reduce the attack surface





Centralize security & access controls

For specific apps across I/SaaS and on-prem







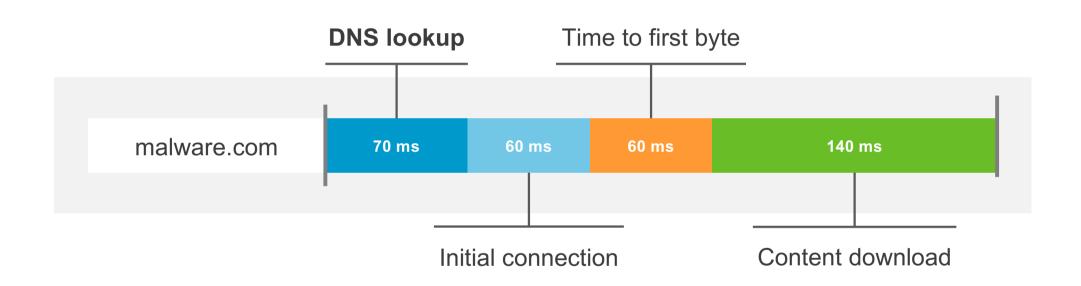
Keep users off the corporate network

Make your infrastructure invisible on the Internet



Multi-factor auth for enterprise apps
Supports email, SMS, TOTP or Duo

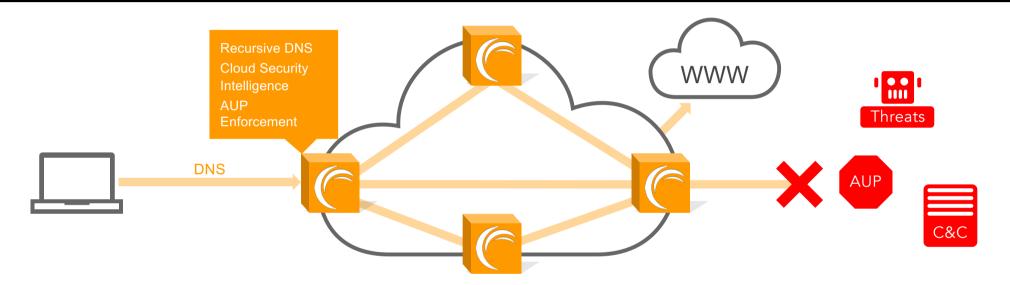
Majority Of Advanced Threats Leverage DNS



91.3% of known bad malware uses DNS

Source: Cisco Annual Security Report

Proactive Malware Protection Using DNS





Identify and block access to malicious domains - everywhere

Refuse requests to or communication with malicious domains known to host sites used to deliver malware or for phishing



Prevent access to inappropriate content

Easily enforce an enterprise's acceptable Internet usage policy effectively and consistently



Disrupt communications from compromised devices

Severs existing connections from infected devices to malicious actors' command & control infrastructure



Prevent DNS-based data exfiltration

Stops malicious actors from using the DNS protocol to extract enterprise data

AKAMAI INTELLIGENT EDGE



PERFORMANCE



SECURITY



EXPERTISE

1,900+ experts ready to support you with strategic expertise, 24/7 proactive monitoring and responsive troubleshooting.

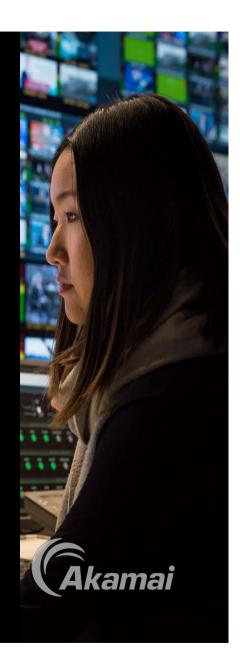


EXPERTISE

Unmatched global service and support

1,900+ experts ready to support you with strategic expertise, 24/7 proactive monitoring and responsive troubleshooting.





Our core capabilities

Technical Advisory

Deliver on business outcomes and maximize efficiency to adopt and innovate with Akamai.



Professional Services

Execute your day-today with ease, create, test and deploy with experts by your side.

Problem Prevention

Create more confidence in your operations, prevent issue recurrence, and protect from sophisticated threats.



Technical Support

24/7 global support to troubleshoot issues and maintain availability and performance.



Training & Education

Courses and training programs to help users and admins learn all things
Akamai.





Navigate the digital journey With experts by your side



Reduce Overhead

Rethink staff and talent investments to focus investments in innovation.



Drive Decisions

Provide expert guidance and facilitate architecture design.



De-risk the Business

Protect from new threats and ensure fast and secure access to online experiences.



Increase Productivity

Close operations gaps, coordinate projects, and get centralized visibility.



Develop Strategy

Apply deep industry insight to key customer success metrics.



Innovate with Akamai

Advance digital innovation and stay competitive with help from our experts.

Guiding Customers Through Their Digital Journey Ongoing access to product, industry, and tech expertise

Manage and Measure

Premium Service and Support

Tailored engagement that deeply roots Akamai experts in day-to-day operations

Managed Kona Site Defender

Fully managed DDoS management and monitoring with 24/7 SOCC coverage

Support and Scale

Technical Advisory Service

Technical insights and best practices from product and industry experts

Readiness and Response Service

Close operational gaps, augment staff and access Akamai SOCC 24/7

Named Enhanced Support

Problem prevention and fast-track support to prevent issue recurrence

Adopt

Service Management Package

Expert assistance to maintain product and account health

Security Optimization Assistance

Expert assistance to maintain a healthy security posture





Akamai fits into your DevOps pipeline



Automate

TOOLS TO INTEGRATE INTO YOUR CI/CD WORKFLOWS



Monitor

GAIN FULL VISIBILITY INTO HEALTH AND PERFORMANCE

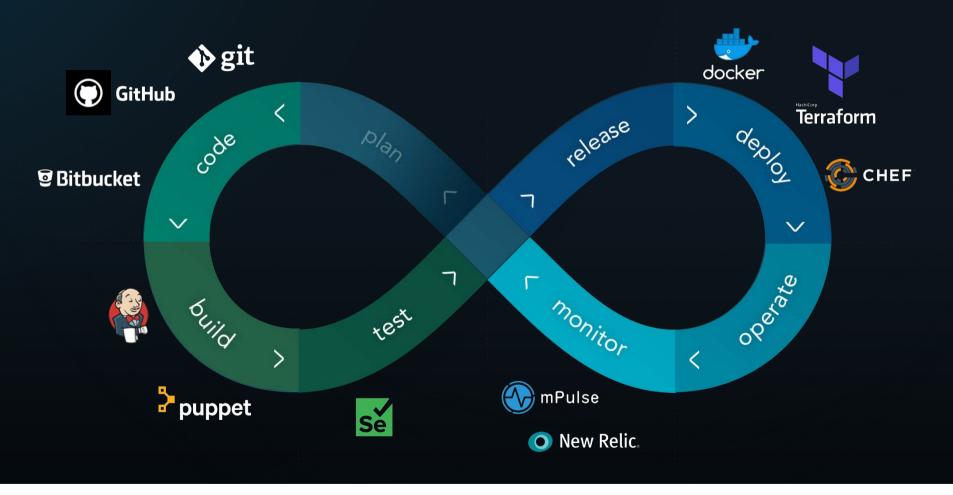


Operate

STREAMLINE AND SIMPLIFY MANAGING AT THE EDGE

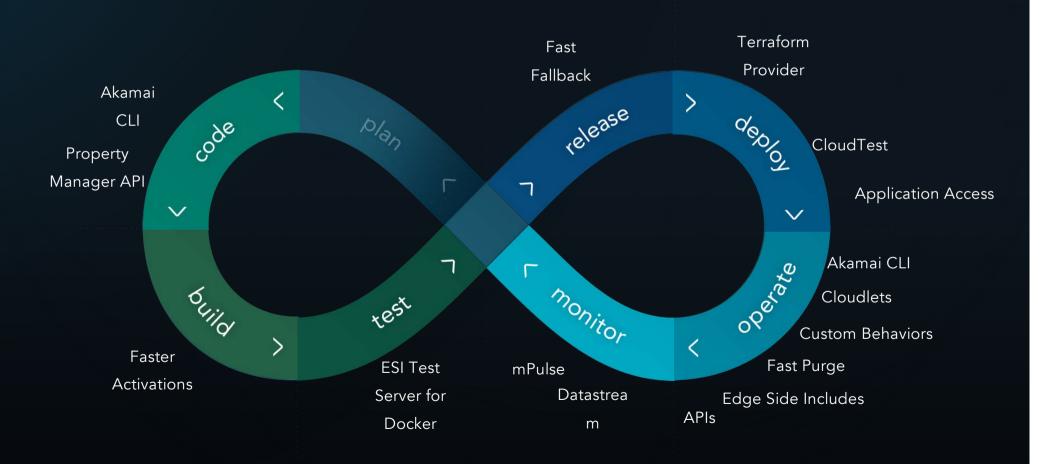


The traditional DevOps pipeline





Akamai fits into your DevOps pipeline





Akamai adds customer identity management to enhance digital trust by acquiring Janrain



Janrain enables enterprises to enhance digital trust by offloading login and registration workloads.

AKAMAI IDENTITY CLOUD

Customer identity & access management

What is CIAM?

CIAM allows businesses to directly engage with their audience, gain a 360° view of the customer journey and protect their consumers' privacy and data from threats

CIAM consists of three key functions delivered as a service

Manage your online customer identities

Constantly changing, detailed profile data

Secure your customer identities & protect against identity fraud

Millions of users with billions of consumer IDs Optimize user experience & marketing efforts

Users require
self-management
for convenience
and compliance



IDENTITY AS A SERVICE

