GLOBALLY DISTRIBUTED DEFENSE

77,000 SERVERS
in 70 countries, in 1,000 networks

20% OF ALL WEB TRAFFIC
delivered by Akamai

1 OUT OF EVERY 5
global 500 companies trust Akamai

ALL BRANCHES
of the US military trust Akamai

Web Application Firewall (WAF)
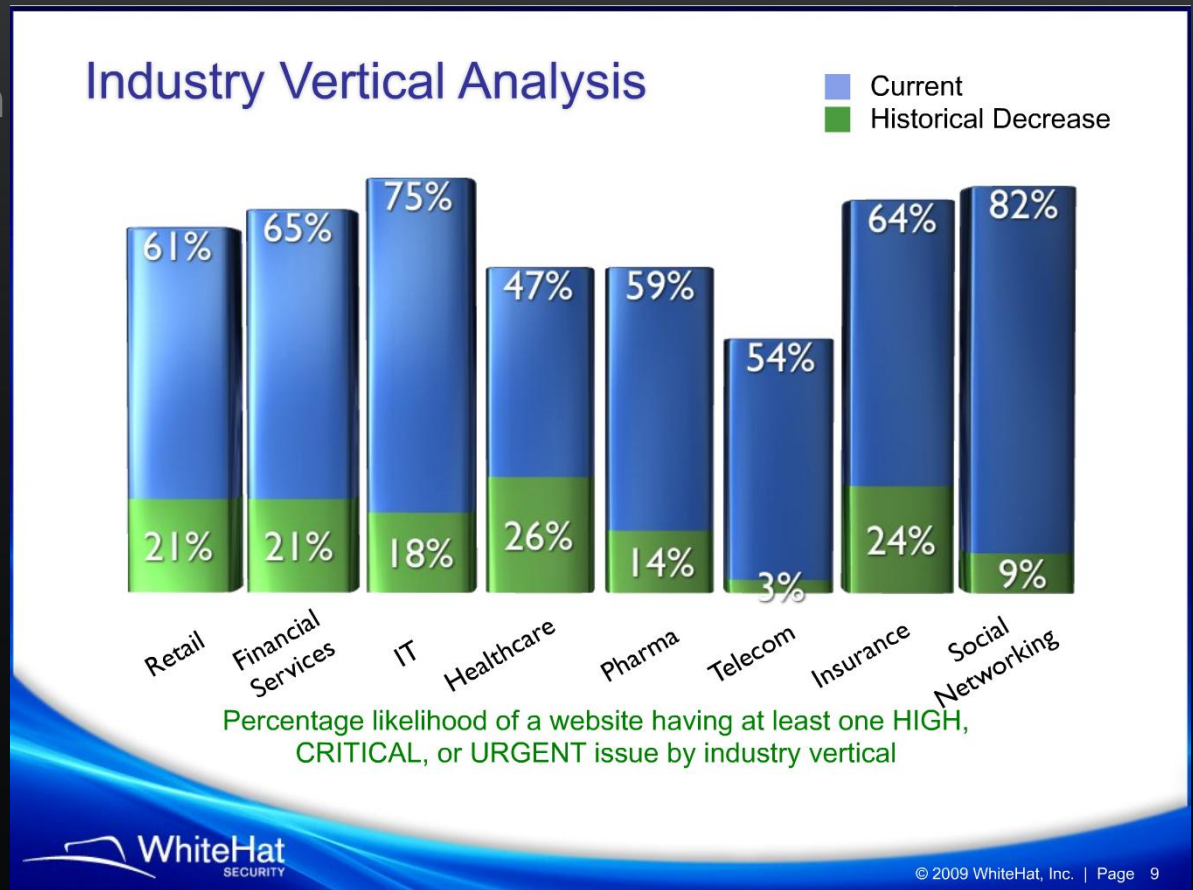
Akamai

Today's Web App Environment

Web site & application security challenges across industry

Powering a Better Internet

DDoS WAF Edge Tokenization Compliance Management

Today's Web App Environment

Web site & application

Today's Web App Environment

Web site & application security challenges across industry

95% of corporate Web apps have severe vulnerabilities.

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DDoS | **WAF** | Edge Tokenization | Compliance Management

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95% of corporate Web a...

> **Web Application Security Consortium**
>
> Over 95% of corporate web applications have severe vulnerabilities

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| DDoS | WAF | Edge Tokenization | Compliance Management |

Today's Web App Environment
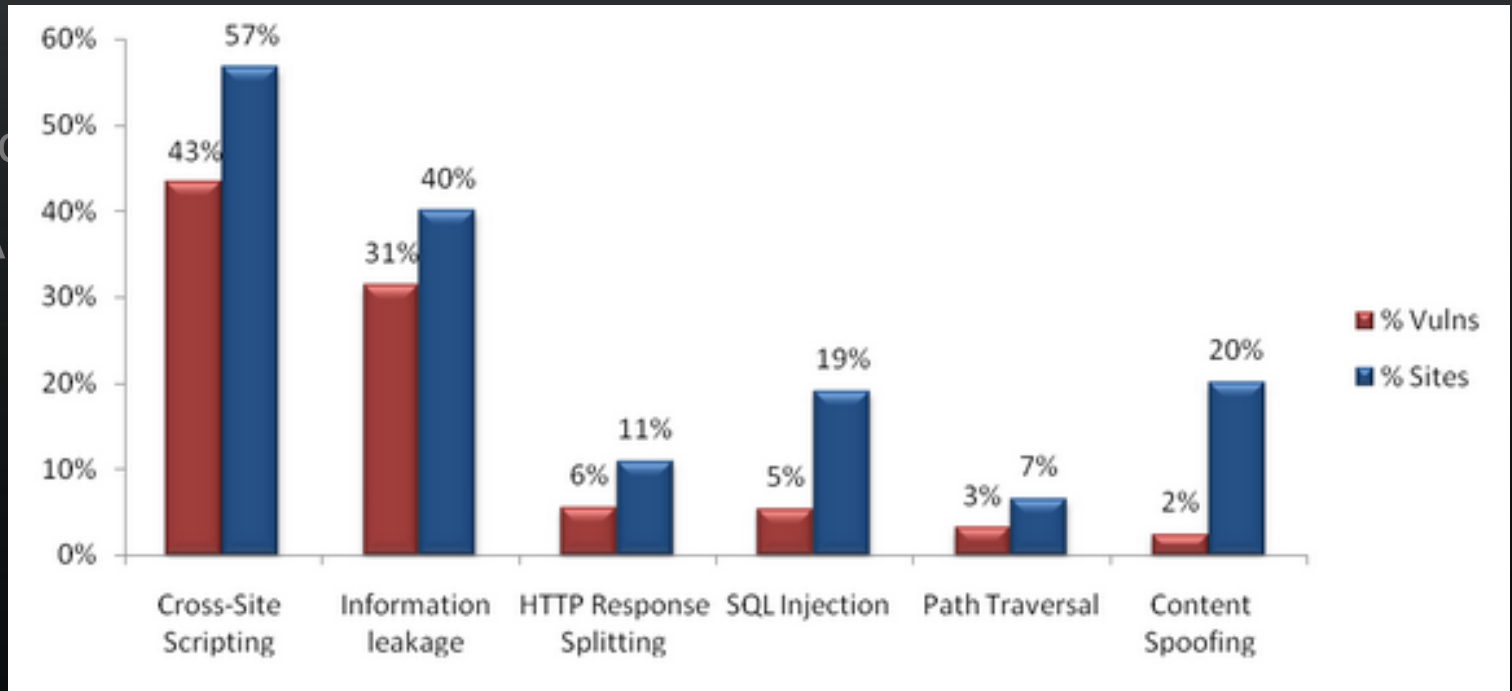
Web site & application security challenges across industry

95% of corporate Web apps have severe vulnerabilities.

80% of ALL active vulnerabilities are at the app layer

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Today's Web App Environment

Web site

95% of c

80% of A

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Today's Web App Environment

Web site & application security challenges across industry

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The average time-to-fix for large organizations is 15-weeks

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Today's Web App Environment

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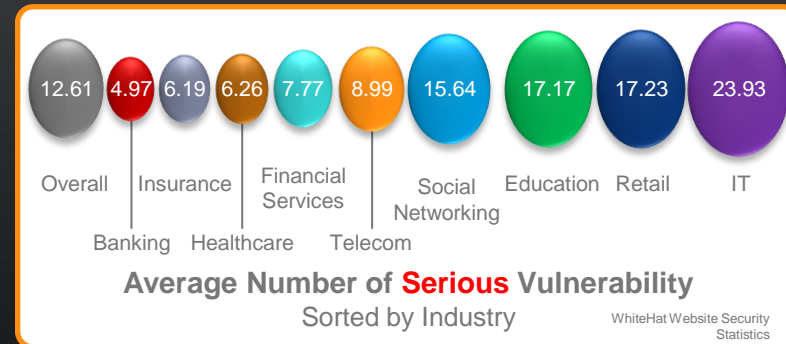The average time-to-fix for large organizations is 15-weeks
Why?

- Competition drives website innovation

- Migration of enterprise apps to the Web, outside firewall
  - Recent surveys show majority of customers have 20+ Web Apps

- Introduction of many new technologies for programmers
  - Increasing complexity — Web 2.0, AJAX, XHTML, 3rd party, etc.
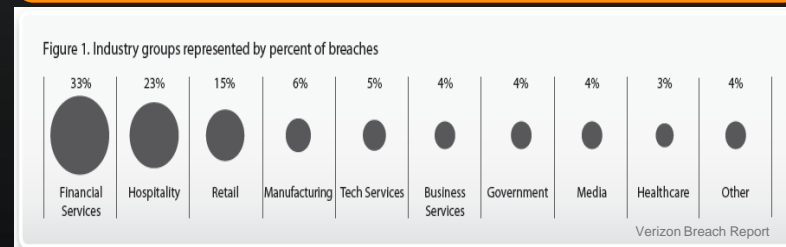 - Developers create mistakes with rapidly changing code

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It's a Challenge On The Front Line

Serious Vulnerabilities Across Industry

| 12.61 | 4.97 | 6.19 | 6.26 | 7.77 | 8.99 | 15.64 | 17.17 | 17.23 | 23.93 |

Overall — Insurance — Financial Services — Social Networking — Education — Retail — IT

Banking — Healthcare — Telecom

Average Number of Serious Vulnerability
Sorted by Industry

WhiteHat Website Security Statistics

Data Breaches Across Industries

Figure 1. Industry groups represented by percent of breaches

| 33% | 23% | 15% | 6% | 5% | 4% | 4% | 4% | 3% | 4% |

Financial Services — Hospitality — Retail — Manufacturing — Tech Services — Business Services — Government — Media — Healthcare — Other

Verizon Breach Report

Time-To-Fix Across Industry

Industry	Leaders Top 25%	Above Average Mid 25% – 50%	Laggards Lower 50% – 75%
Overall	35	15	6
Banking	24	12	2
Education	24	14	4
Financial Services	19	9	3
Healthcare	22	8	4
Insurance	38	21	10
IT	24	12	6
Retail	43	22	8
Social Networking	18	12	8
Telecommunications	28	27	26

Table 7. Time-to-Fix Benchmarks (Weeks)
Large–Sized Organizations by Industry (2,500 Employees and Over)

WhiteHat Website Security Statistics Report |
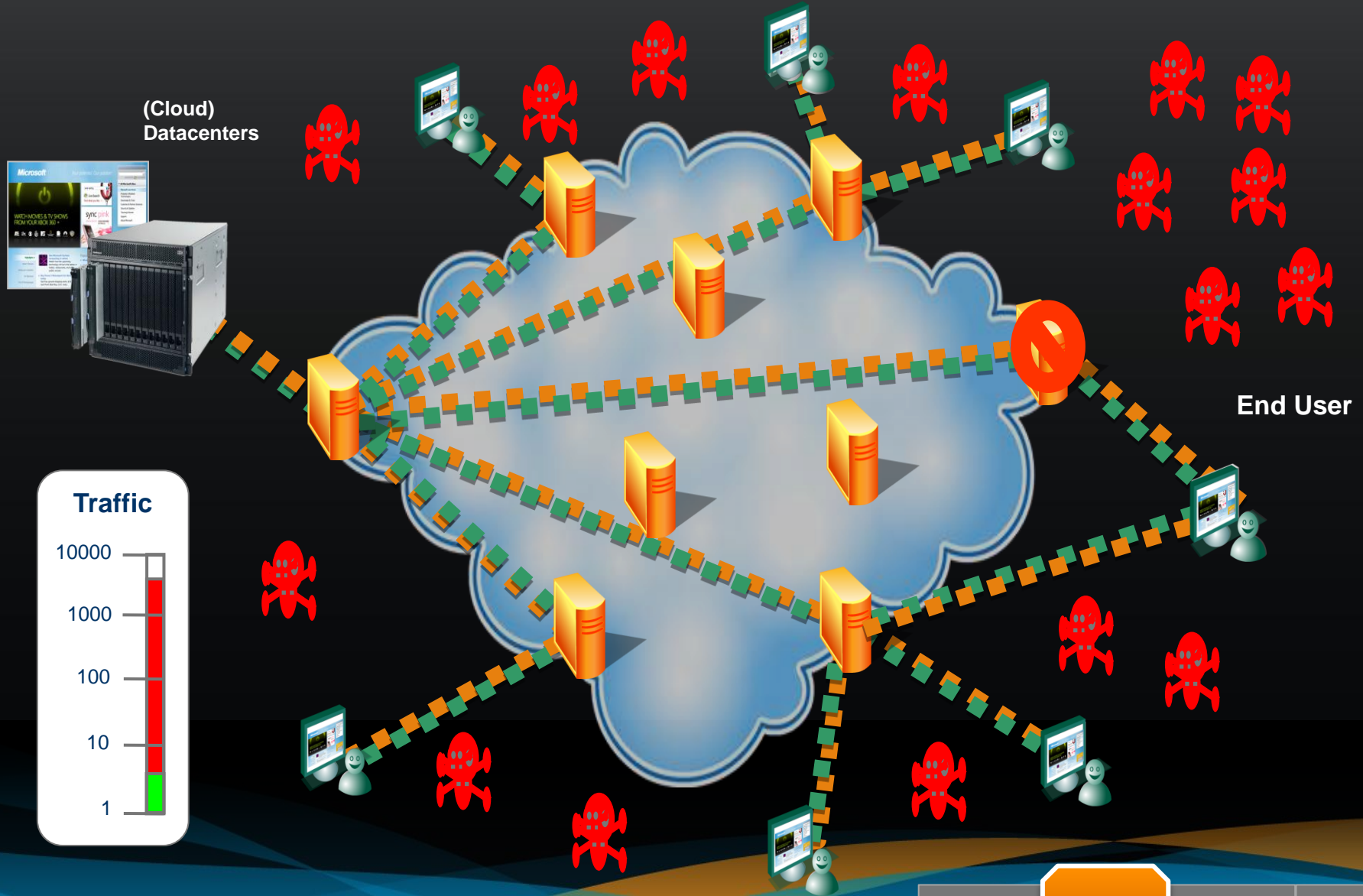10th Edition | Fall 2010

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Peak Attack Traffic per year

Attack Size — Gbps

- 2001: 0.4
- 2002: 1.2
- 2003: 2.5
- 2004: 5
- 2005: 10
- 2006: 17
- 2007: 24
- 2008: 40
- 2009: 49
- 2010: 100
- Akamai (Jul 4, 2009): 124

Hardware WAF (max. throughput)

(Arbor Networks)

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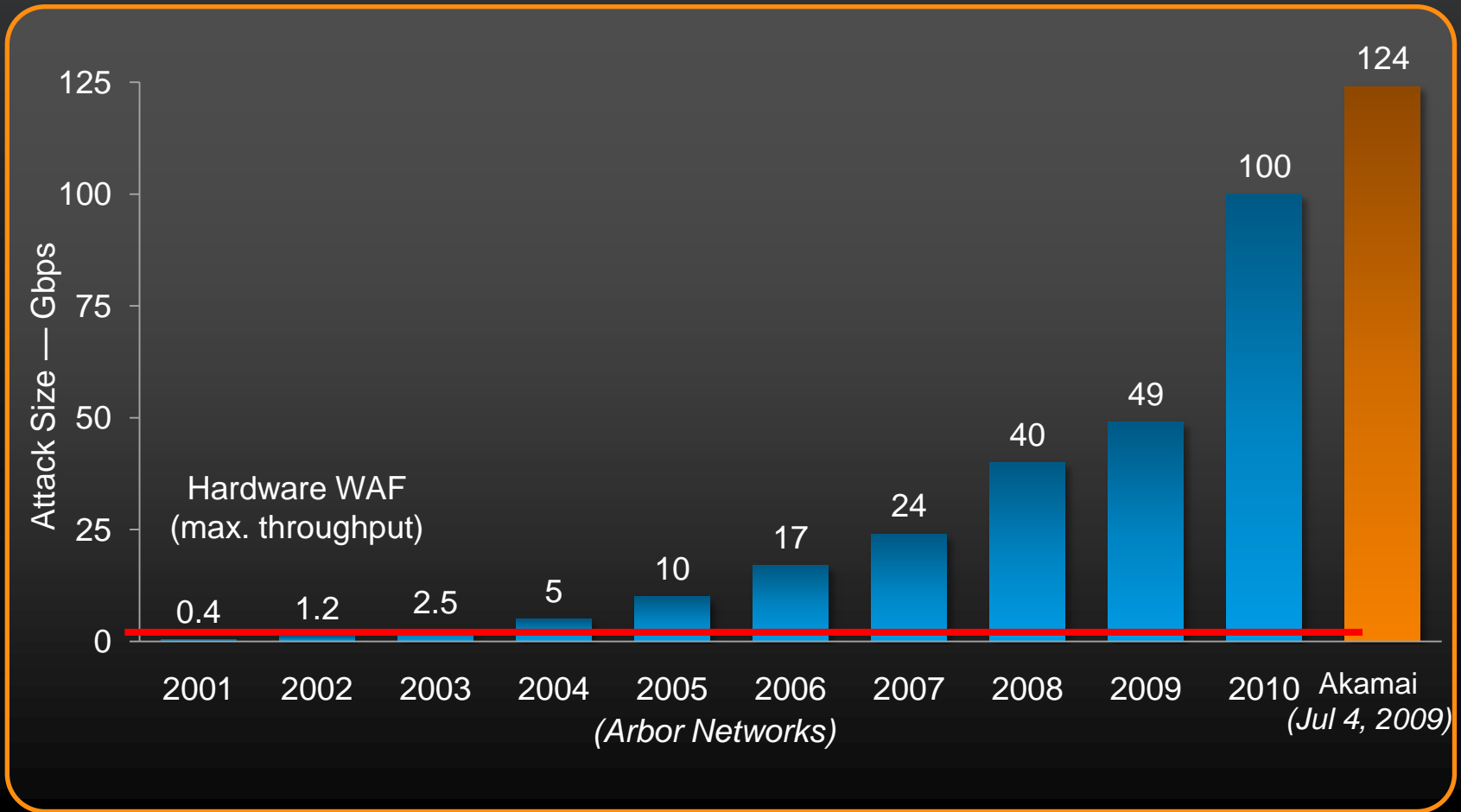
Web Application without Akamai

(Cloud) Datacenters

End User

Traffic

10000

1000

100

10

1

DDoS **WAF** Edge Tokenization Compliance Management

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Web Application with Akamai Cloud Security

(Cloud) Datacenters

End User

Traffic

10000

1000

100

10

1

DDoS　　WAF　　Edge Tokenization　　Compliance Management

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Powering a Better Internet

Akamai Web Application Firewall
Stop Unseen Hackers **At The Edge**

Akamai

Stops Most Common Hacking Attempts

- OWASP Top 10

Security and Compliance

- Helps meet PCI DSS 6.6
- Secures web applications and the data they serve

Application Aware

- Stops SQL Injections and Cross Site Scripts
- Inspects HTTP requests for validity
- Enables fast blocking of IP's to stop "Bad" clients
- Enables a "White List" of known "Good" clients

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Stops malicious traffic at the Edge

World's most scalable and available WAF

| DDoS | **WAF** | Edge Tokenization | Compliance Management |

The Akamai Difference

Stops malicious traffic close to source, protects origin interface and traffic costs

In-band benefits without single point of failure

Integrates into existing security infrastructure

Usage based billing

Protects cloud-based services and applications

Exponentially more scalable, available, and flexible

Attacks are at 10Gbps–100Gbs or more.
Can your WAF scale to protect you?

DDoS   WAF   Edge Tokenization   Compliance Management