

Zscaler™ Web Security

Zscaler Web Security, part of the Zscaler Cloud Security Platform, delivers the complete security stack as a cloud service, eliminating the cost and complexity of traditional secure web gateway appliances. By moving security to a globally distributed cloud, Zscaler brings the Internet and web gateway closer to the user for a faster experience. Organizations can easily scale protection to all mobile users or offices via local Internet breakouts, and minimize network and appliance infrastructure.

THE TRADITIONAL SECURITY PERIMETER IS BROKEN

When applications in your data center were the center of gravity, it made sense to backhaul your branch office traffic to them over a hub-and-spoke network. Even as more traffic was headed for the Internet and threats got more complex, you could still protect your perimeter and users with stacks of gateway appliances.

However, your applications have moved to the cloud and the center of gravity with it. Your users have also left the building, so traffic goes straight to their cloud apps over the open Internet, bypassing your perimeter and appliances all together. The result is that the Internet is now become the new corporate network as mobility and the cloud have broken traditional network security models.







BREACHES CONTINUE DESPITE APPLIANCE INVESTMENTS

Despite massive appliance investments, delivering complete web security still eludes many organizations. Even when safely browsing trusted websites, users continue to fall victim to a host of Internet-based threats.

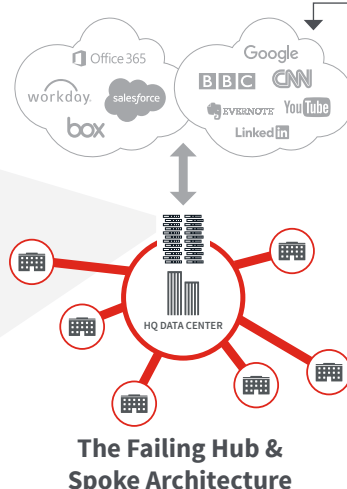
With the rise of SSL, zero-day threats, botnets, and other attacks, proper web security now requires a fully integrated inspection approach. Hardware appliances, due to their limited capacity, often ignore “trusted” content and SSL traffic, where many of today’s threats can live. Additionally, multiple appliances that are service chained together aren’t nimble enough to share and update threat intelligence at the speed needed to properly respond to developing threats.

A 90s Internet Gateway – Bad Design?

Delivering security in today’s gateway is expensive to deploy, complex to maintain, and delivers a poor user experience.

-  Firewall/IPS
-  Web/URL Filter
-  Anti-virus
-  DLP Inspection
-  SSL Interception
-  Sandbox Analysis

Despite massive appliance investments, breaches continue. **It’s clear this aging design has lost its effectiveness.**



A New Center of Gravity

Your applications have moved to the cloud. Does it make sense to keep forcing users through traditional gateways?



Backhauling and layered appliances hinder the user experience



Slow gateways drive users to use direct-to-cloud connections for application access

The New World? Your perimeter has dissolved and the Internet is your new network. **A new Internet security architecture is needed.**

ZSCALER WEB SECURITY

Zscaler Web Security provides you with a secure Internet and web gateway delivered as a service. Zscaler delivers a full security stack with all the in-depth protection you'll ever need. Just point your office or user traffic to the Zscaler platform, and it instantly begins stopping malware, advanced threats, phishing, browser exploits, malicious URLs, botnets, and more. Born in the cloud and built for speed, Zscaler helps you break free from traditional appliance models, cut MPLS and network costs, and restore security in a cloud-first world.

Improve and streamline the security model

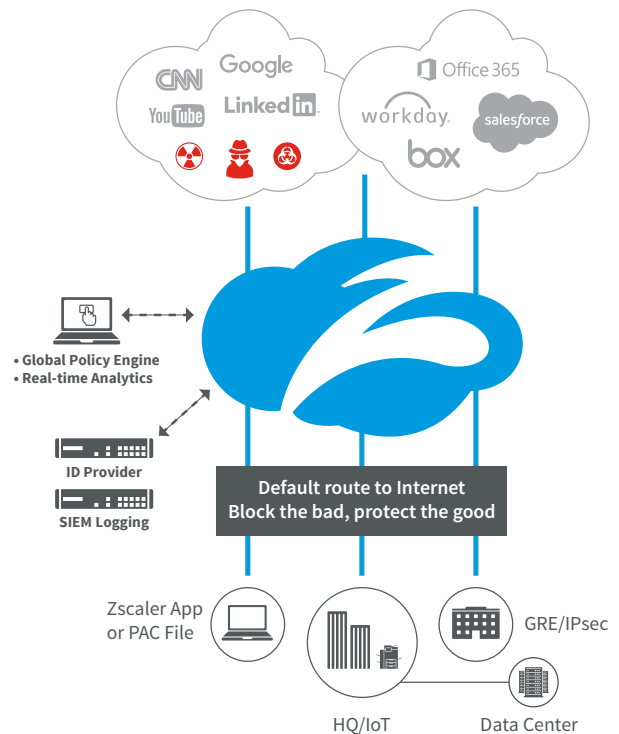
- Deliver your security stack as a service from the cloud that scales to all users, on or off network.
- Deploy integrated cloud services, including web security and filtering, firewall, cloud app control, sandbox, DLP, and antivirus/antispam
- Start with the services you need today and activate others as your needs grow

Deliver a faster, more secure user experience

- Enable users to connect direct to the Internet via the Zscaler cloud and bypass slower hub-and-spoke architectures
- Minimize the cost of MPLS backhaul links and the administration and maintenance of security appliances
- Elastically scale your capacity requirements as traffic demands increase – no more hardware limitations

Enjoy unified policies and reporting

- Provide the exact same security and policy controls regardless of where users connect
- Use only one console to enforce a unified user or group policy across the entire security stack
- View real-time reporting and centralized analytics that improve threat context and visibility across all users



Just point your traffic to the Zscaler cloud. For offices, you can set up a tunnel from your edge router. For mobile, you can use our app or a PAC file.

WHAT SETS ZSCALER APART



FULL INLINE CONTENT INSPECTION

Finally inspect ALL your traffic, with no compromises. Our patented ByteScan™ engine inspects each outbound and inbound byte, even including hard-to-inspect SSL traffic, with only microsecond delay.



CLOUD EFFECT

Get millions of users working for you. Any threat detected anywhere in our cloud is immediately blocked for all customers. Zscaler also delivers more than 120,000 unique security updates to the cloud every day.



REAL-TIME THREAT CORRELATION

Dynamically compute the risk of every web page object or the web page itself using content and domain analysis.



40+ INDUSTRY THREAT FEEDS

Find and stop more threats with a platform that consumes over 60 third-party threat feeds across open source, commercial, and private sources.



ZSCALER CLOUD SECURITY PLATFORM

Flexible solutions that integrate security and eliminate point products

Access Control



CLOUD FIREWALL

Full DPI and access controls across all ports and protocols. App and user aware.



URL FILTERING

Block or limit website access based on a user or group across destinations or URL categories.



BANDWIDTH CONTROL

Enforce bandwidth policies and prioritize business-critical applications over recreational traffic.



DNS FILTERING

Control and block DNS requests against known and malicious destinations.

Threat Prevention



ADVANCED PROTECTION

Deliver real-time protection from malicious web content like browser exploits, scripts, and zero-pixel iFrames, and identify botnets and malware callbacks.



CLOUD SANDBOX

Block zero-day exploits by analyzing unknown files for malicious behavior, and easily scale to every user regardless of location.



ANTIVIRUS

Antivirus, antispware, and antimalware protection for all users, using signatures sourced from over 60 threat intelligence sources.



DNS SECURITY

Identify and route suspicious command-and-control connections to Zscaler threat detection engines for full content inspection.

Data Protection



DATA LOSS PREVENTION (DLP)

Use standard or custom dictionaries to easily scale Data Loss Prevention (DLP) to all users and traffic, including compressed or SSL-encrypted traffic.



CLOUD APPLICATION CONTROL

Provides Cloud Application Security Broker (CASB) functionality with a click of a button. Discover and control user access to known and unknown cloud applications.



FILE TYPE CONTROLS

Deliver true file type control by user, location, and destination. Control which file types are allowed into — or out of — your network.

Massive, global security cloud – Powered by patented technologies

SSMA™

All security engines fire with each content scan; only microsecond delay

ByteScan™

Each outbound and inbound byte scanned; native SSL scanning

PageRisk™

Risk of each web page element computed dynamically

NanoLog™

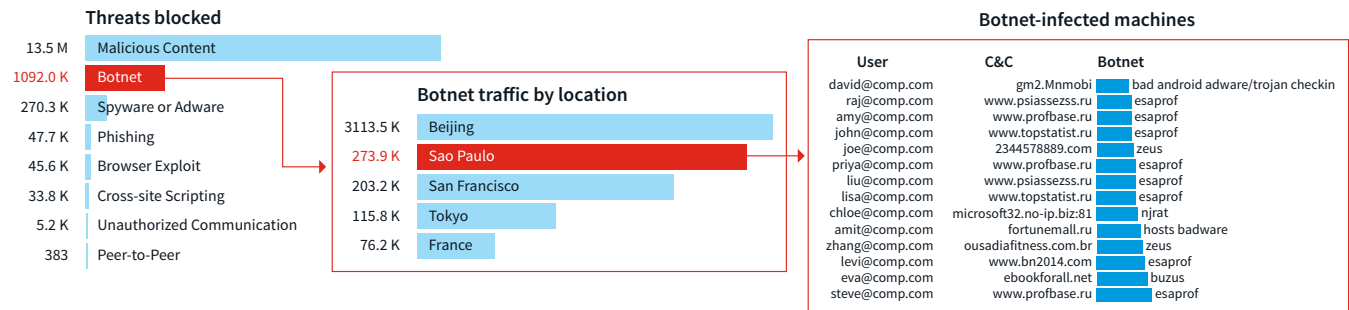
50:1 compression of logs with real-time global log consolidation

PolicyNow™

Policies follow the user for the same on-net, off-net protection

REAL-TIME VISIBILITY, ANALYTICS, AND REPORTING

Zscaler makes threat investigation seamless and immediate. Within seconds you can drill down to a per-user overview to understand events and correlate threats. Isolate botnet-compromised devices with a few clicks, or leverage application visibility to validate if and where non-IT-compliant apps are used.



Go from global visibility to actionable intelligence in seconds. If you can't understand what your alerts are trying to tell you, what's the point? The Zscaler admin portal helps you easily drill down to find and stop botnets, malware and zero-days with a few simple clicks.

MASTER DATA COMPLIANCE

Zscaler was purpose built with compliance and enterprise scale in mind. Customers can maintain true data residency compliance with their alert log data. Logs always remain in memory and are written to disk only within the customer-specified location. You can easily meet regulatory requirements based on the country in which your data needs to reside.

For compliance mandates on local log archival, Zscaler Nanolog™ Streaming Service (NSS) allows you to transmit your logs to your SIEM in real time for external logging or advanced threat correlation. You can even fine-tune threat feeds to receive particular data in order to accommodate SIEM Events Per Second (EPS) restrictions.

“Zscaler applied immediate value during the proof-of-concept when we identified botnet infected machines. We’ve easily seen a 60% drop in malware related tickets after rolling out Zscaler.”

— **Seth McCallister**, Head of Global Information Security, Beam Suntory

Beam **SUNTORY**

ZSCALER CLOUD SECURITY BUNDLES

Complete Internet and web security in convenient subscription bundles or a-la-carte:

ZSCALER INTERNET ACCESS SERVICE	PROFESSIONAL	BUSINESS	TRANSFORMATION
CLOUD SECURITY PLATFORM			
Data Centers Global access, high availability, with latency SLAs	✓	✓	✓
Traffic Forwarding GRE tunnel, IPsec, proxy chaining, PAC file, or Mobile Zscaler App	✓	✓	✓
Authentication SAML, secure LDAP, Kerberos, hosted	✓	✓	✓
Real-Time Cloud Security Updates Receive full cloud threat sharing (cloud effect), daily security updates (over 120,000/day) and 60+ security feeds	✓	✓	✓
Real-Time Reporting and Logging Report on web transactions anywhere in seconds. Select geography of choice for all log storage (US or EU).	✓	✓	✓
SSL Inspection Full inline threat inspection of all SSL traffic with SLA. Granular policy control for content exclusion	Add-on	✓	✓
Nanolog Streaming Service Transmit logs from all users and locations to an on-premise SIEM in real time	Add-on	✓	✓
CLOUD SECURITY SERVICES			
URL and Content Filtering Granular policy by user, group, location, time, and quota; dynamic content classification for unknown URLs and Safe Search	✓	✓	✓
File Type Control True file type control by user, location, and destination	✓	✓	✓
Inline Antivirus & Antispyware Signature based antimalware and full inbound/outbound file inspection	✓	✓	✓
Reputation-Based Threat Protection Stop known botnets, command-and-control communications, and phishing	✓	✓	✓
Standard Cloud Firewall Granular outbound rules by IP address, port, and protocol (5-tuple rules)	✓	✓	✓
Advanced Cloud Firewall Full outbound next-gen cloud firewall with application and user awareness and location control; full logging and reporting	Add-on	Add-on	✓
Bandwidth Control Ensure business apps like Office 365 are prioritized over recreational traffic	Add-on	✓	✓
Standard Cloud Sandbox Zero-day protection for .exe and .dll files from unknown and suspicious sites	✓	✓	✓
Advanced Cloud Sandbox Zero-day protection for all file types from all sites; ability to hold file delivery until confirmed sandbox clean; advanced reporting	Add-on	Add-on	✓
Advanced Threat Protection PageRisk and content analysis of malware, callbacks, cross-site scripting, cookie stealing, and anonymizers	Add-on	✓	✓
Cloud Application Visibility & Control Discover, monitor, and control access to web applications	Add-on	✓	✓
Mobile Application Reporting & Control Visibility, granular policy control, and threat protection for mobile devices on or off the corporate network		✓	✓
Web Access Control Ensure outdated versions of browsers and plugins are compliant	Add-on	✓	✓
Data Loss Prevention Inline scanning to prevent confidential data leaving the organization	Add-on	Add-on	Add-on
Enterprise License An Enterprise License Agreement bundle, which includes all available add-on services, premium support and deployment advisory services, is available for customers with 10,000+ seats			

How a customer deployed Office 365 across hundreds of locations

A highly distributed organization migrating its users to Office 365 was experiencing significant WAN congestion and Office 365 sessions were overwhelming its firewalls. With Zscaler, the company was able to deliver a great Office 365 experience across 650 locations. And Zscaler made it easy to prioritize Office 365 traffic over recreational or less critical traffic.



SECURITY AND PERFORMANCE ARE BETTER IN THE CLOUD

The Zscaler Cloud Security Platform has been a leader in the Gartner Magic Quadrant for Secure Web Gateways every year since 2011, as well as a leader in the Forrester Wave. Zscaler Internet Access enables organizations to up-level security without the cost and complexity of appliances. By moving the security stack to the cloud, Zscaler protects all users with policy-based access and inline protection from malware and other threats. And it enables organizations to embrace local breakouts and simplify Office 365 deployments, so they can realize the benefits of cloud and mobility. To experience the award-winning Zscaler Cloud Security Platform, contact Zscaler to request a [demo](#) and more information.

Gartner



For the seventh consecutive year Zscaler is named a leader in the 2017 Gartner Magic Quadrant for Secure Web Gateways

[READ THE REPORT >](#)

FORRESTER



Forrester recognizes Zscaler as a leader with the highest score among all vendors for SaaS Web Content Security

[READ THE REPORT >](#)

“We have over 350,000 employees in 192 countries in 2,200 offices being secured by Zscaler.”

— **Frederik Janssen**, Global Head of IT Infrastructure, Siemens

SIEMENS

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