# Zscaler Internet Access™

## Secure and fast access to the internet and SaaS

Zscaler Internet Access delivers your security stack as a service from the cloud, eliminating the cost and complexity of traditional secure web gateway approaches. By moving security to a globally distributed cloud, Zscaler™ brings the internet gateway closer to the user for a faster experience. Organizations can easily scale protection to all offices or users, regardless of location, and minimize network and appliance infrastructure.

## Cloud and mobility have broken perimeter security

The data center used to be the center of gravity. When applications resided there, it made sense to backhaul traffic from branch offices over a hub-and-spoke network. As traffic patterns shifted to the internet, gateways were built with stacks of security appliances to allow secure internet access. These gateways were also centralized to minimize the cost and complexity of securing multiple locations.
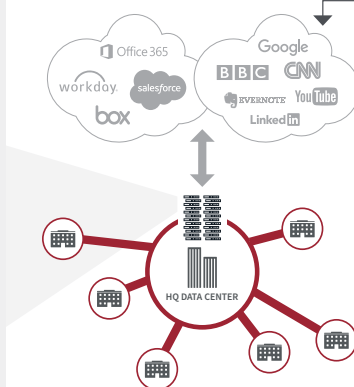
However, as applications have moved to the cloud, the center of gravity has moved with it. User traffic often goes straight to the cloud, bypassing the security perimeter. Additionally, today's complex threats have triggered an explosion of new security appliances, all finding their way into your overworked gateway. Administrators are in a constant battle to keep up with required security updates for their appliances. The complexity of deploying and managing all these appliances — and their associated costs—are out of control. Furthermore, it's all associated with what is now an outdated architecture.

### 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
- Antivirus
- DLP inspection
- SSL interception
- Sandbox analysis

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



The failing hub-and-spoke architecture

### 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 Internet Access

Zscaler Internet Access is a secure internet and web gateway delivered as a service from the cloud. Think of it as a secure internet onramp—all you do is make Zscaler your next hop to the internet. For offices, simply set up a router tunnel (GRE or IPsec) to the closest Zscaler data center. For mobile employees, you can forward traffic via our lightweight Zscaler Client Connector (formerly Zscaler App/Z App) or PAC file. No matter where users connect—a coffee shop in Milan, a hotel in Hong Kong, or the office—they get identical protection.

Zscaler Internet Access sits between your users and the internet, inspecting every byte of traffic inline across multiple security techniques, even within SSL. You get full protection from web and internet threats. And with a cloud platform that supports Cloud Firewall, Cloud IPS, Cloud Sandbox, Cloud DLP, CASB and Cloud Browser Isolation, you can start with the services you need today and activate others as your needs grow.
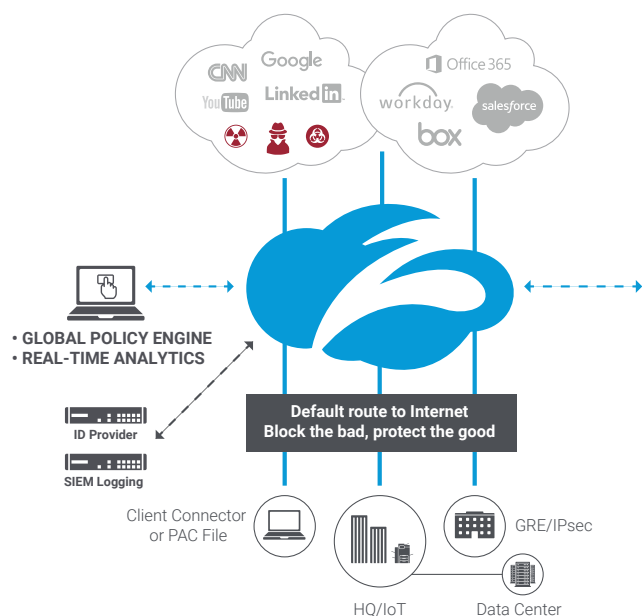


**Secure internet and web gateway as a service**
Zscaler Internet Access delivers a completely integrated gateway that inspects all ports and protocols, even across SSL.

| THREAT PREVENTION | ACCESS CONTROL | DATA PROTECTION |
|---|---|---|
| Proxy (Native SSL) | Cloud Firewall | Cloud DLP w/EDM & IDM |
| IPS/Adv. Protection | URL Filtering | CASB |
| Cloud Sandbox | Bandwidth Control | CSPM/SSPM |
| DNS Security | DNS Resolution | Cloud Browser Isolation |

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 Zscaler Client Connector or a PAC file.

All these capabilities are delivered from the Zscaler global, multitenant cloud security platform, which processes more than 160B requests/day at peak periods. With more than 100 patents, the Zscaler platform has been architected from the ground up as a truly distributed, multitenant cloud with enterprise performance and scale.

## What sets Zscaler apart?

**FULL INLINE CONTENT/SSL 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 175K+ unique security updates to the cloud every day.

**120,000 DAILY THREAT UPDATES**
Say good-bye to change windows. Get automatic updates far beyond what could be accomplished with appliances.

**MORE THAN 40 INDUSTRY THREAT FEEDS**
Find and stop more threats with a platform that consumes more than 40 third-party threat feeds across open source, commercial, and private sources.

# Zscaler Internet Access

Integrated functionality to eliminate point products

## Threat Prevention

**Proxy (native SSL)**

Find threats where they hide with full and unlimited inspection of SSL traffic at scale.

**IPS and advanced protection**

Deliver full threat protection from malicious web content, such as browser exploits, scripts, and identify and block 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.

**DNS security**

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

## 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.

## Data Protection

**Cloud DLP w/EDM and IDM**

Easily scale DLP across all users and inside SSL. Improve custom data detection with Exact Data Match and Indexed Document Matching.

**Cloud Access Security Broker (CASB)**

Prevent data exposure and ensure SaaS compliance with out-of-band CASB. Discover and control unknown cloud apps with Inline CASB.

**Cloud Security Posture Management (CSPM)**

Extend data protection into AWS, Azure and SaaS. Monitor and mitigate app misconfiguration along with compliance reporting and violation remediation.

**Cloud Browser Isolation**

Eliminate exposure to risky web content and data exfiltration by separating browsing activity from the end user device.

## Globally distributed 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

# Zscaler Internet Access Editions

Complete security for internet and SaaS access in convenient subscription editions or a-la-carte:

| | BUSINESS | TRANSFORMATION | ELA |
|---|---|---|---|
| Full SSL Inspection | ✓ | ✓ | ✓ |
| Secure Web Gateway | ✓ | ✓ | ✓ |
| URL Filtering | ✓ | ✓ | ✓ |
| Cloud Application Visibility & Control | ✓ | ✓ | ✓ |
| In-line Malware Prevention | ✓ | ✓ | ✓ |
| Data Loss Prevention (DLP) | ✓ **Visibility & Alerting** | ✓ **Visibility & alerting** | ✓ **Full prevention & data classification** |
| Out-of-Band Cloud Access Security Broker (CASB) | ✓ **1 app** | ✓ **1 app + 1TB retro scan** | ✓ **All apps + 10 TB retro scan** |
| Standard Digital Experience Monitoring | ✓ | ✓ | ✓ |
| Cloud-gen Firewall & IPS | Add on | ✓ | ✓ |
| Cloud-gen Sandbox | Add on | ✓ | ✓ |
| Cloud-to-Cloud Log Streaming for SIEMs | Add on | ✓ | ✓ |
| SaaS Security Posture Management | Add on | Add on | ✓ |
| Full Digital Experience Monitoring | Add on | Add on | Add on |
| Cloud Browser Isolation | Add on | Add on | Add on |

## 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.

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Office 365

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**Gartner.**

Figure 1: Magic Quadrant for Secure Web Gateways



Source: Gartner (December 2020)

**SIEMENS**

"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

**The Only Leader in the 2020 Gartner Magic Quadrant for Secure Web Gateways**

**READ THE REPORT**

1. https://www.zscaler.com/gartner-magic-quadrant-secure-web-gateways-2020

### About Zscaler

Zscaler enables the world's leading organizations to securely transform their networks and applications for a mobile and cloud-first world. Its flagship services, Zscaler Internet Access™ and Zscaler Private Access™, create fast, secure connections between users and applications, regardless of device, location, or network. Zscaler services are 100% cloud delivered and offer the simplicity, enhanced security, and improved user experience that traditional appliances or hybrid solutions are unable to match. Used in more than 185 countries, Zscaler operates a multitenant, distributed cloud security platform that protects thousands of customers from cyberattacks and data loss. Learn more at **zscaler.com** or follow us on Twitter **@zscaler**.

**zscaler™**