DATA SHEET

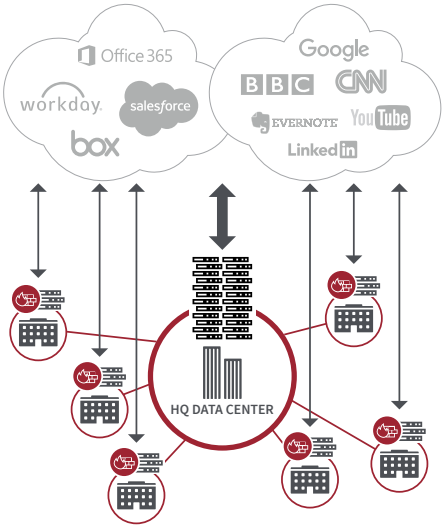
Zscaler Cloud Firewall

More powerful than NGFW appliances,
without the cost and complexity

Zscaler Cloud Firewall brings next-gen firewall controls and advanced security to all users in all locations — for all ports and protocols. Zscaler enables fast and secure local internet breakouts and, because it's 100 percent in the cloud, there's no hardware to buy, deploy, or manage.

Cloud apps have broken traditional architectures

The workforce is now distributed and mobile, and the number of applications leaving the confines of the data center for the cloud continues to grow. These cloud applications, including Microsoft Office 365, were designed to be accessed directly via the internet. To securely embrace cloud apps and services and deliver a fast user experience, internet traffic needs to be broken out locally.

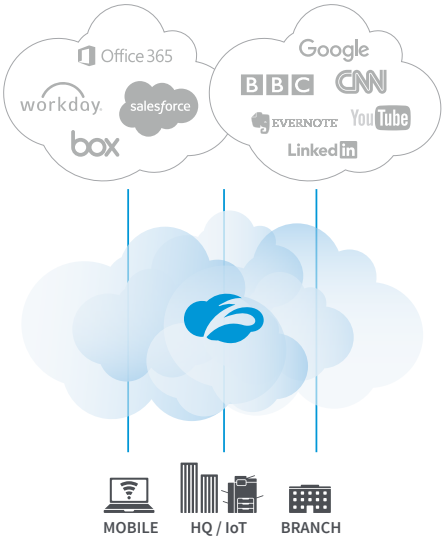


One way to route traffic locally is to deploy stacks of security appliances in every branch office. But this option is simply not viable in terms of the cost and complexity of deploying and managing them all. Traditional firewalls are easily overwhelmed by cloud apps, because they cannot scale to support the high volume of long-lived connections the apps create, and they cannot handle SSL-encrypted traffic or non-standard ports and protocols.

Because of these challenges, organizations are increasingly turning to SD-WAN to establish local internet breakouts. But, these local breakouts need to be secured.

Zscaler: the cloud way to secure local internet breakouts

Securing local internet breakouts — without backhauling and without duplicating the security appliance stack at each location — is a critical component of Zscaler Cloud Firewall. Zscaler allows internet traffic to break out locally and securely for all ports and protocols. With Zscaler, policies are not tied to a physical location; instead, policies follow users to provide identical protection no matter where they connect. And since Zscaler is a 100 percent cloud-delivered service — part of the world's largest multi-tenant cloud security platform — there is no hardware or software to deploy or manage.



Simply route internet-bound traffic to Zscaler Cloud Firewall and it immediately begins inspecting all traffic — all ports and protocols — elastically scaling to handle SSL inspection and cloud application traffic with long-lived connections.

Zscaler Cloud Firewall logs every session to provide visibility across all users and all locations, ensuring you have access to the information you need, exactly when you need it. Zscaler addresses your performance and security needs in the branch today, supports your move to cloud applications like Office 365, and scales to meet the needs of your growing and changing organization.

Zscaler Cloud Firewall benefits

With Zscaler Cloud Firewall, you get security and access controls without the cost, complexity, and performance limitations of next-generation firewall appliances. Your protection follows users wherever they go to provide identical protection and access control. Part of the Zscaler Cloud Security platform, Zscaler Cloud Firewall provides a range of benefits that can only be delivered through a global, purpose-built security cloud.

Enables secure local internet breakouts

- Routes internet traffic locally and provides direct-to-cloud connections for a fast user experience
- Delivers security and access controls for all ports and protocols, without any appliances to deploy or manage

Delivers identical protection everywhere

- Brings the entire security stack close to the user for identical protection wherever users connect
- Enables granular firewall policies based upon user, location, and application

Reduces costs and complexity

- Reduces MPLS backhauling costs
- Eliminates costly and time-consuming patch management, coordination of outage windows, and policy management

Scales services elastically

- Unlimited capacity to handle cloud application traffic requiring long-lived connections
- Natively intercepts and inspects SSL/TLS traffic—at scale—to detect malware hidden in encrypted traffic

Improves security and controls

- Delivers full, dynamic inspection of HTTP/HTTPS traffic traversing non-standard ports
- Fully proxies all DNS traffic to protect against vulnerabilities such as DNS tunnels for data exfiltration
- Delivers always-on IPS threat protection and coverage, regardless of connection type or location

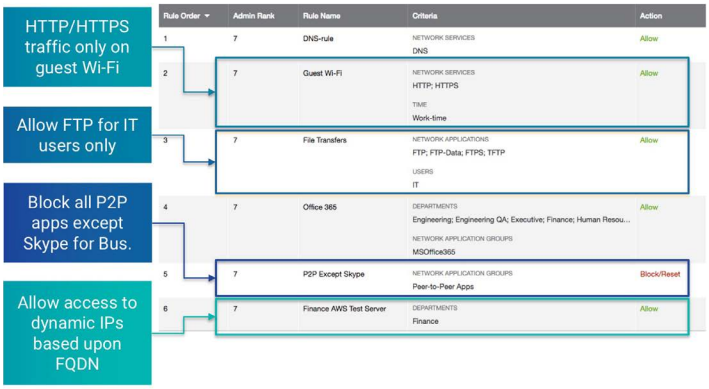
Enables real-time visibility and control

- Logs every session in detail across all users, locations, applications, ports, and protocols
- Delivers near-real–time visibility and policy enforcement from a single console

Cloud Firewall capabilities

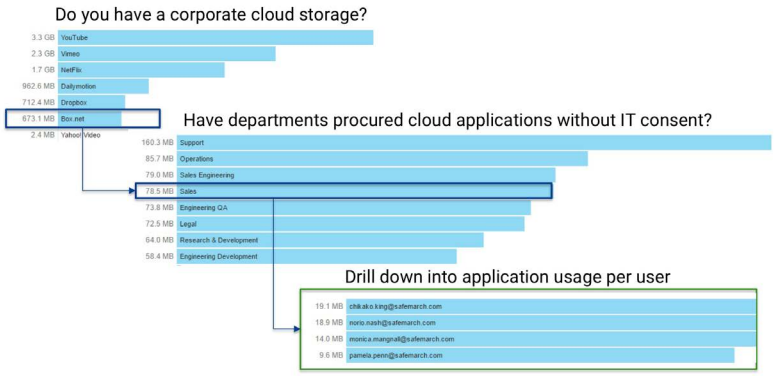
Define and immediately enforce granular firewall policies

With typical firewalls, deploying and enforcing policies across the network is a complex and time-consuming endeavor. Zscaler Cloud Firewall makes it easy to define granular policies by user, application, location, group, and department, which simplifies management and allows you to define, deploy, and immediately enforce policies for all users, across all locations.



Go from overall visibility to actionable information in real time

Zscaler Cloud Firewall provides real-time visibility into application traffic across all users, locations, ports, and protocols—from a single console. Every session is logged in detail, and advanced analytics correlate events to deliver valuable insights into threats and vulnerabilities, so you can see and control what's going on inside your network.



Deliver always-on IPS to all your users

Cloud delivery lets you put IPS threat protection where traditional IPS solutions can't go. Zscaler Cloud IPS, a key feature of Zscaler Cloud Firewall, follows all your users, no matter the connection type or location, and you get the always-on threat protection and visibility you need. Zscaler Cloud IPS inspects all user internet traffic on and off network, even hard-to-inspect SSL traffic, to restore full visibility into user, app, and internet connections.

FEATURES

- **Centralized policy management**
  Define and immediately enforce policies across all locations without the need to recreate policies for each location
- **Fully integrated security services**
  Contextual information is shared across services (DLP, sandbox, APT, etc.) to provide better protection and deeper visibility
- **Real-time granular control, logging, and visibility**
  Globally unified and unlimited logging (for six months), with analysis and correlation to enable trend discovery, productivity analysis, and troubleshooting
- **Cloud IPS**
  Deliver always-on IPS threat protection and full visibility, regardless of connection type or location; inspect all user internet traffic (even SSL)
- **Advanced security inspection**
  Apply advanced deep-packet inspection on non-web protocols, including FTP, DNS, TDS, and more
- **DNS security and control**
  Block malicious domains, detect and prevent DNS tunneling, and enable policies based on user, app, location, and resolved IP country
- **Fully qualified domain name (FQDN) policies**
  Easily configure and manage access policies for applications hosted across multiple IPs
- **Cloud effect**
  Every time a new threat is identified in any of the tens of billions of requests processed daily by the Zscaler cloud, it gets blocked for all Zscaler users, everywhere

Why Zscaler Cloud Firewall

Secures local breakouts

Enables secure local internet breakouts and delivers security and access controls for all ports and all protocols without appliances

Identical protection everywhere

Brings the entire security stack close to the user, ensuring identical protection for users from wherever they connect

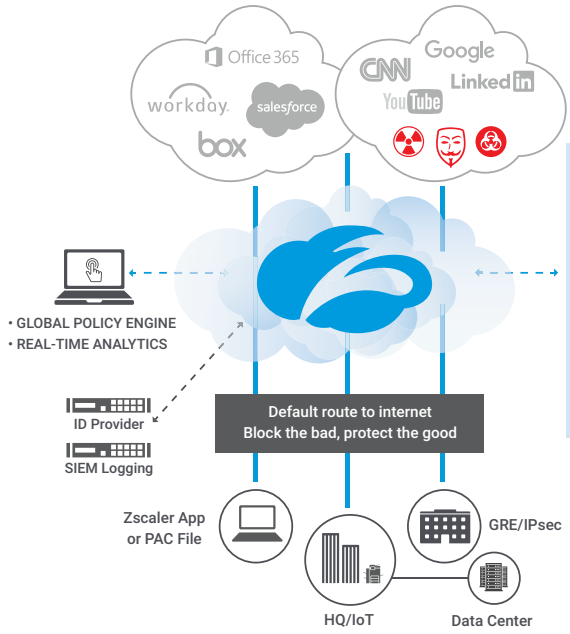
Elastic scale

Scales elastically by user to handle SSL inspection and cloud app traffic requiring long-lived connections, resulting in a fast user experience

Real-time visibility and control

Logs every session in detail to deliver real-time visibility across all users, locations, and applications, as well as all ports and protocols

Zscaler purpose-built, multi-tenant cloud security platform



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

ACCESS CONTROL	THREAT PREVENTION	DATA PROTECTION
CLOUD FIREWALL	ADVANCED PROTECTION	DATA LOSS PREVENTION
URL FILTERING	CLOUD SANDBOX	CLOUD APPS (CASB)
BANDWIDTH CONTROL	ANTI-VIRUS	FILE TYPE CONTROLS
DNS FILTERING	DNS SECURITY	
	CLOUD IPS	

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 Z-App or a PAC file.

Simplify your network with Zscaler Cloud Firewall

As part of the integrated Zscaler Cloud Security Platform, you can easily activate Cloud Firewall to get full next-gen firewall capabilities, without the cost and complexity of appliances.

Request a Demo

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 multi-tenant, 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**.

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