DATA SHEET

Zscaler Internet Access™

A FedRAMP IL-2 approved internet access point for remote users

Zscaler Internet Access provides a secure connection from a remote user's endpoint directly to a security stack that sits inline to the internet, without requiring internet traffic to be backhauled over an organization's on-premises VPN. Moving to a security stack-as-a-service model decouples the organization's security requirements from the responsibilities of maintaining infrastructure and updates, all while eliminating more than 65 percent of internet-bound traffic from the DoDIN.

Today, 65 to 80 percent of the traffic crossing the DoDIN is internet bound. This traffic places a considerable load on the JRSS and IAP security stacks. The COVID-19 pandemic has made matters worse, as an increasing number of DoD users are now working remotely and using VPN to connect into the DoDIN. In addition to mission-critical application traffic, non-critical internet traffic is also flowing over this same VPN, through the IAP and JRSS, only to then hairpin back out again through the JRSS and IAP. This overwhelms security stacks and leads to service degradation.

Figure 1 illustrates the path of internet traffic today when using legacy VPN technology.

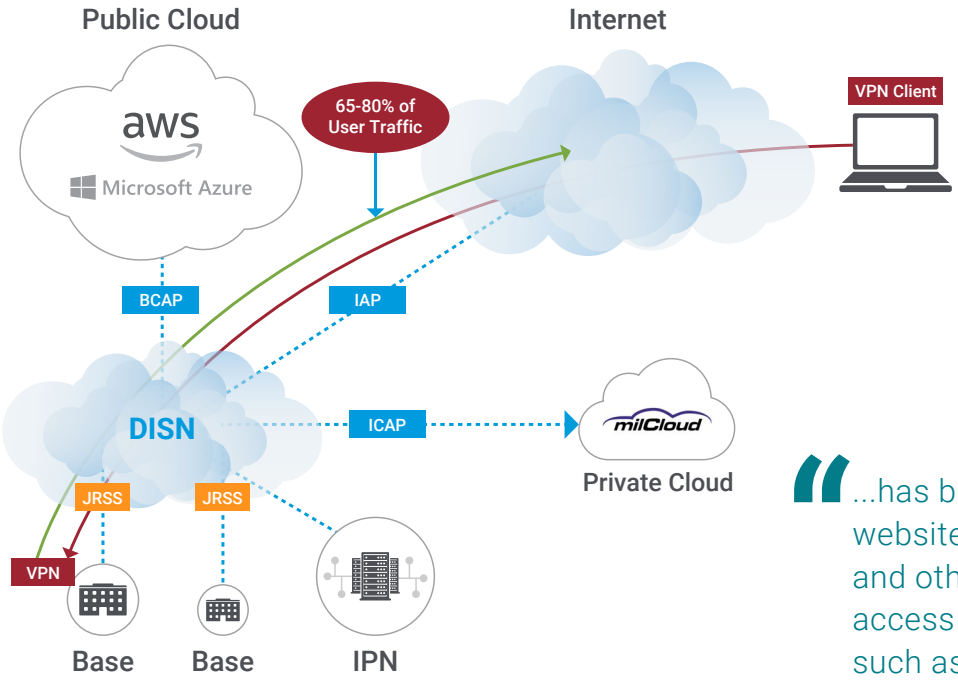


Figure 1 - Legacy VPN internet traffic flow.

> "...has blocked media streaming websites like YouTube, Pandora, Netflix and others as network strain has slowed access to critical enterprise services, such as email."[1]

[1]https://www.fedscoop.com/dod-network-restrictions-teleworking-covid/

Zscaler Internet Access provides an alternative to the current bandwidth and routing challenges, and significantly improves the user experience while securing the traffic. It enables a way to provide a **secure internet breakout** for the remote user that will eliminate the need to send all that internet traffic back into the DoDIN through the VPN.

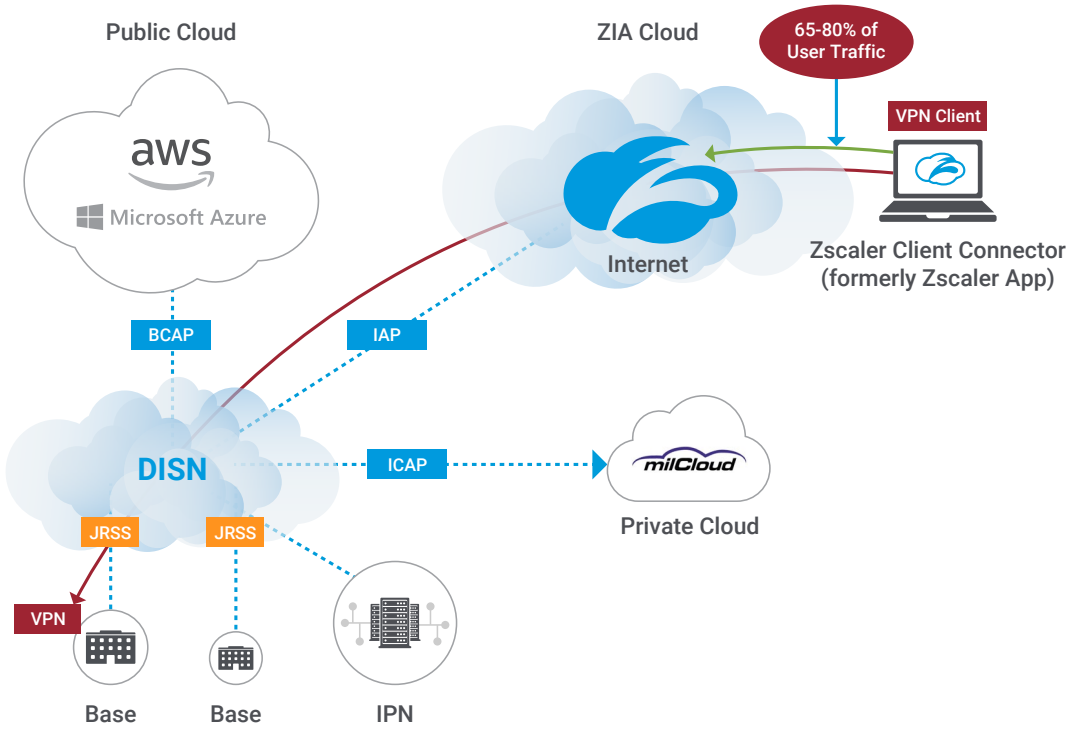


Figure 2 - Zscaler secure internet breakout.

It also provides visibility into this traffic with its "break and inspect" capability without impacting end-user performance, as proven in our commercial cloud, which processes more than 160B transactions a day. A secure internet breakout will greatly reduce the load on the JRSS and IAP, which will remove the bottlenecks that are adversely affecting mission-critical traffic that flows over the VPN.

Figure 2 illustrates the new and improved flow of traffic when using the Zscaler Internet Access for IL-2 breakout for the remote user to accommodate the rapid increase in teleworkers to meet the DOD's guidance for social distancing.

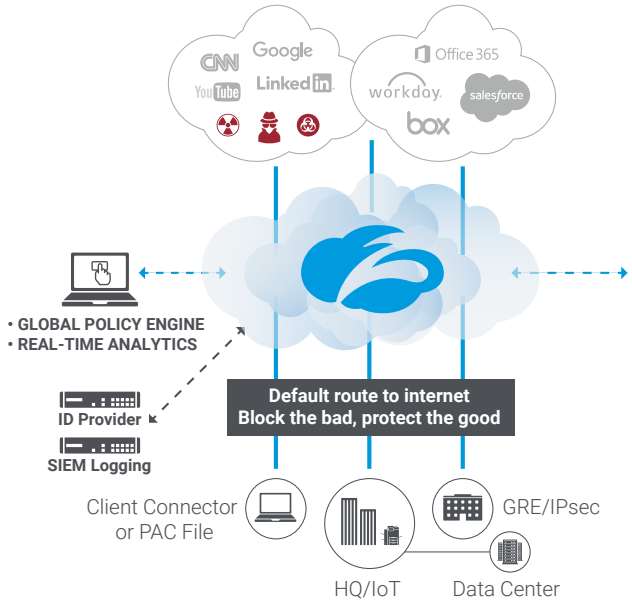
> "DoD is also implementing "social distancing" that is limiting in-person contact via telework, teleconferences, and flexible work schedules to curb disease transmissions."[2]

[2] https://fcw.com/articles/2020/03/09/dod-coronavirus-civilian-employee.aspx

Zscaler Internet Access

Zscaler Internet Access securely connects users over the internet to externally managed applications regardless of device, employee location, or network. It was chosen by Defense Innovation Unit to support a new and secure approach to cloud access and is vendor agnostic from a connection and support standpoint.

No matter where users connect — a coffee shop in Augusta, GA, a hotel in South Korea, or on base — 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 Sandboxing, Next-Generation Firewall, Data Loss Prevention (DLP), and Cloud Application Control, you can start with the services you need today and activate others as your needs grow. What makes Zscaler Internet Access different than VPNs is that you have visibility into traffic that can tie into your existing SIEM and big data platforms.



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.

ACCESS CONTROL	THREAT PREVENTION	DATA PROTECTION
Cloud Firewall	IPS/Adv. Protection	Data Loss Prevention
URL Filtering	Cloud Sandbox	Cloud Apps (CASB)
Bandwidth Control	Antivirus	File Type Control
DNS Filtering	DNS Security	

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™ Cloud Security Platform, the world's largest security cloud, which processes more than 160B requests a day. With more than 130 patents issued and pending, the Zscaler platform has been architected from the ground up as a truly distributed, multitenant cloud with enterprise performance and scale.

FedRAMP

Zscaler Internet Access has FedRAMP Moderate authorization and has a provisional ATO for Impact Level 2 from DISA. Impact Level 2 is approved for public or non-critical mission information, such as the public internet.

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.

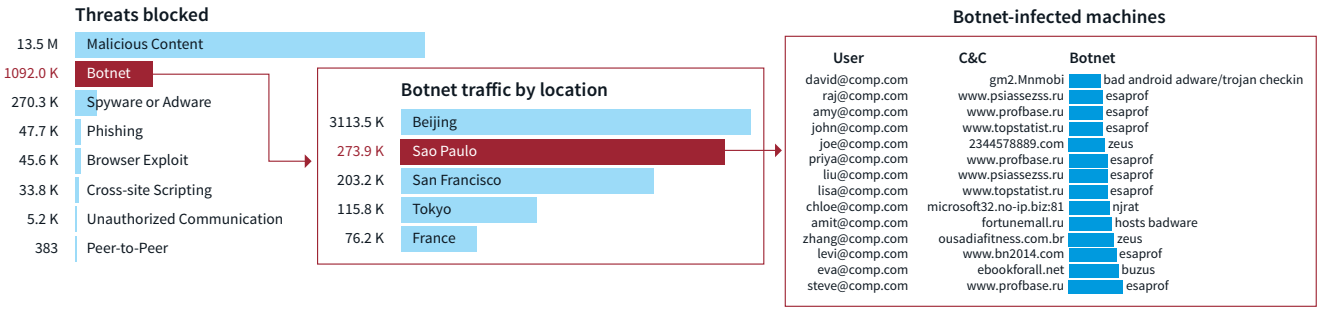
CLOUD EFFECT
Get millions of users working for you. Any threat detected anywhere in our Cloud is immediately blocked for all customers. Zscaler also delivers more than 175K unique security updates to our Cloud every day.

REAL-TIME THREAT CORRELATION
Dynamically compute the risk of every web page object or the web page itself using content and domain analysis.

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

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.*

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 to accommodate SIEM Events Per Second (EPS) restrictions.

About Zscaler

Zscaler was founded in 2008 on a simple but powerful concept: as applications move to the cloud, security needs to move there as well. Today, we are helping thousands of global organizations transform into cloud-enabled operations.

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