

Zscaler for Office 365

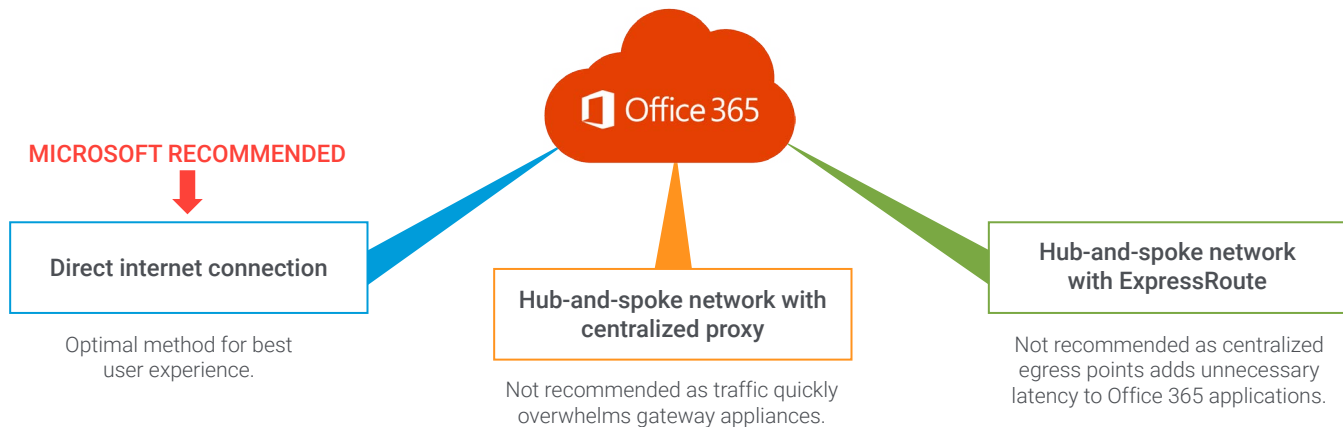
Delivering a faster user experience and rapid deployment



To measure the success of your Office 365 implementation, there's really only one metric that matters: user satisfaction.

As enterprises rely more and more on cloud applications to run their businesses, they face challenges imposed by traditional hub-and-spoke architectures. When Microsoft Exchange servers and Office applications were on-premises, you had to backhaul traffic from remote sites and mobile users to the data center. It was the only way to provide connectivity. But now that these services have moved to the cloud in the form of Office 365, backhauling all of your traffic to your data centers can create the kind of latency that can quickly lead to frustrated users and delayed deployments.

Microsoft connectivity guidance for best Office 365 user experience¹



Zscaler is at work on Office 365

Today, the Zscaler Cloud Security Platform processes more than 18 petabytes of Office 365 traffic every month for more than 2000 customers around the world. And these numbers are growing rapidly.

With our customers, we've seen an average increase in network utilization of 40 percent, and that's because each user is now generating between 12 and 20 persistent connections. This increase can easily overwhelm firewalls and increase your transport budget. That is why Microsoft recommends performing NGFW capacity assessments, WAN latency assessments and advised against using Skype for Business when deploying Office 365 on a hub-and-spoke architecture.

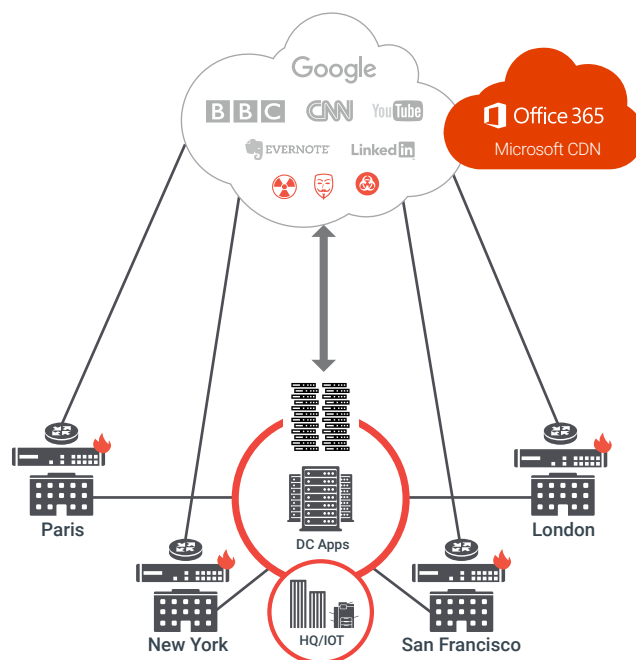
¹ Microsoft TechNet Office 365 connectivity guidance: https://blogs.technet.microsoft.com/onthewire/2017/03/22/_guidance/

Direct internet connectivity for Office 365 – Direct internet connection using appliances

Office 365 was built to be accessed securely and reliably via a direct internet connection and Microsoft has invested in a CDN to deliver a fast experience. Deploying appliances at each branch is better for the user experience, but it is expensive to buy, deploy and maintain.

Challenges with appliances

- Requires constant firewall updates and missing an IP or URL update will cause connectivity issues
- Requires appliance capacity assessments to ensure they can handle the high number of long-lived connections.
- Requires security tradeoffs in branches with only UTMs or firewalls for security
- Requires local DNS

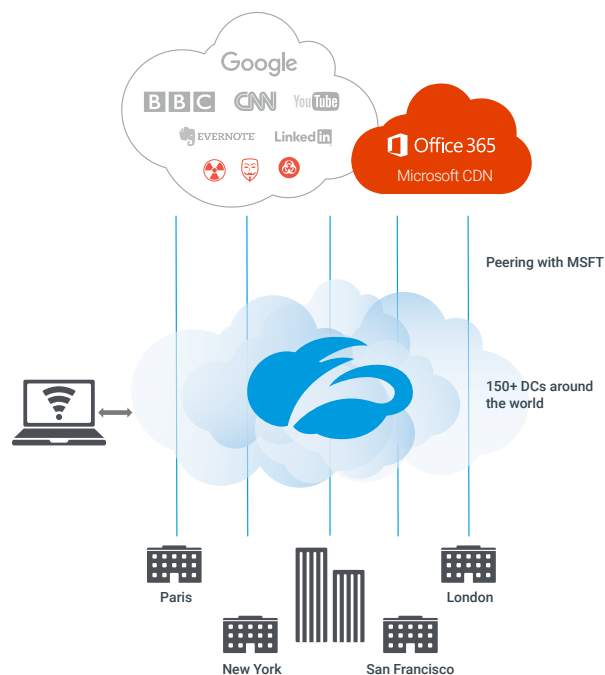


Direct internet access with Zscaler – the cloud way. Delivering the best user experience

As the world's largest cloud security platform, Zscaler makes Office 365 deployment easy. It provides your users with a fast Office 365 and internet experience via local internet breakouts, while maintaining the highest level of security for internet traffic.

Simply point your internet and Office 365 traffic to the closest Zscaler data center (there are more than 150 around the world). There is no hardware to deploy and manage and since traffic is routed locally, you can reduce your MPLS spend.

Zscaler's Cloud Firewall, which is application- and user-aware, scales elastically to support the massive number of persistent Office 365 connections. Unlike with appliances, making firewall changes is simple. All you need to do is log in to the admin portal and, within seconds, your changes are enforced worldwide. In compliance with Microsoft, Zscaler does not inspect Office 365 traffic, but does inspect all other internet traffic to keep your users safe and protect your data.



Zscaler simplifies administration, improves control, and increases visibility

Keeping up with Microsoft's continuous IP and URL changes can be daunting, and missing an update will adversely impact the user experience. Zscaler simplifies administration by making Office 365 as easy as a checkbox.

Prioritize Office 365 for a better user experience

Sophisticated bandwidth management controls allow you to guarantee bandwidth for Office 365 traffic during periods of contention – like when users are watching YouTube, football, or cricket. Zscaler gracefully slows the connection – before the last mile – without discarding packets, so a user gets an uninterrupted experience. The stream is simply downgraded when contention occurs. These controls can also be applied to large file downloads (such as OS updates) that can degrade Office 365 performance.

Zscaler peers with Microsoft Office 365 in major data centers

Zscaler's Cloud Security Platform spans more than 150 data centers and peers with Microsoft around the world to deliver connection times between the user and Office 365 applications in less than 10 milliseconds. Microsoft recommends 50 milliseconds in the U.S. and 100 milliseconds elsewhere. With fast connections to Microsoft Office 365, scalable cloud access control services, TCP optimizations and network path optimizations allows for a 40-percent faster user experience.

Designed to work with Microsoft Office 365

Zscaler for Office 365 fully supports Microsoft's connectivity guidance.

- **Identify and differentiate Office 365 traffic**

One-click configuration automatically optimizes your O365 traffic without administration effort.

- **Egress network connections locally**

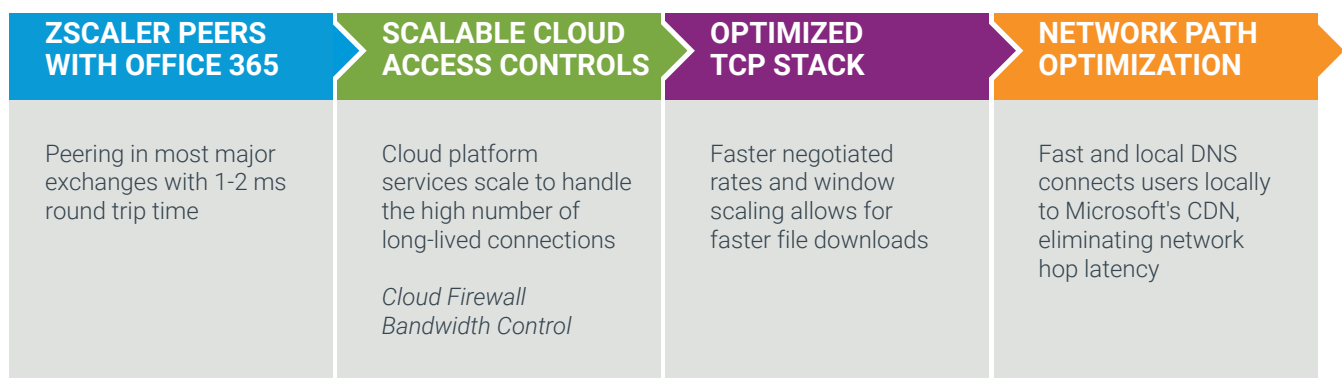
Enabling direct connections through the Zscaler cloud delivers the fastest path to Microsoft.

- **Avoid network hairpins**

Enable remote users to go directly to Microsoft without VPN hairpins with Zscaler ZApp.

- **Bypass inspection proxies**

Zscaler enables you to bypass your security appliances per Microsoft's recommendation, while still securing the rest of your open internet direct connection.



Why Zscaler for Office 365?

✓ Best user experience

- Fast path to Office 365 via local internet breakouts
- Guaranteed bandwidth for Office 365
- Peering with Microsoft in major data centers
- Faster file downloads with TCP optimizations

✓ Rapid deployment

- One-click configuration
- No hardware or software to deploy
- No infrastructure upgrades required

✓ Impressive value

- Reduced MPLS spend
- No forklift upgrades
- Simplified management

✓ Real-time visibility

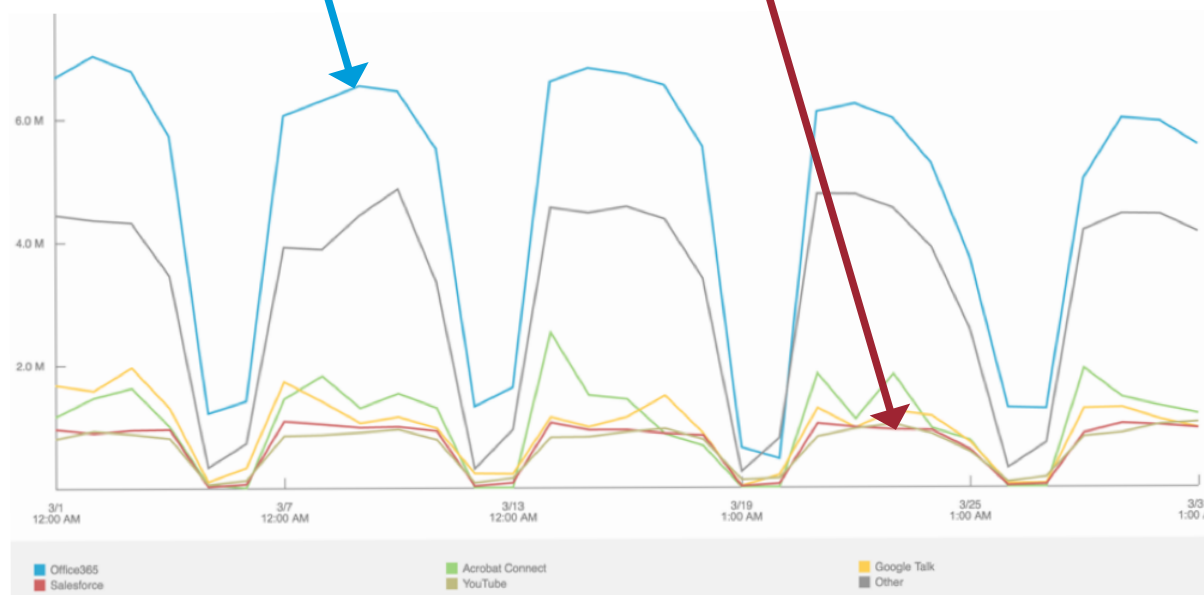
- Immediate visibility into all internet and Office 365 traffic for all users in all locations

Zscaler, the simple solution for large, complex organizations

One Zscaler customer, a Fortune 500 leader with locations in 32 countries, was an early adopter of Office 365, but had difficulties with its first two deployment attempts. With Zscaler, the company successfully enabled local breakouts, giving users the performance they needed – all with protection from the Zscaler Cloud Security Platform. And remote workers use Zscaler to access Office 365 without having to use a VPN to connect to the data center.

40% of bandwidth is reserved for Office 365 during periods of contention.

During these times, YouTube is **capped at 20%**.



Before Zscaler, YouTube accounted for the customer's largest consumption of bandwidth. With Zscaler's easy-to-use bandwidth controls, the company was able to reserve 40 percent of its bandwidth specifically for Office 365, while capping YouTube, as shown in this bandwidth report.

CUSTOMER CHALLENGE:

- Branch firewalls, with 600+ rules, were too complex to manage
- Limited visibility of traffic and sessions
- Backhauling traffic over MPLS was too costly
- DC firewall overloaded with SSL sessions

ZSCALER SOLUTION:

- Local breakouts – backhaul only DC-bound traffic
- Simplified management
- No infrastructure to buy, no vendor EOL to manage
- Zscaler Cloud Firewall for more ports than 80/443
- Bandwidth throttling policies ensure that Office 365 works well

When you're ready to deploy Office 365, look to Zscaler. With more than 700 customers running Office 365 through the Zscaler Cloud Security Platform, Zscaler can help you deliver a great user experience while reducing your MPLS spend and avoiding forklift upgrades to your firewalls.

Learn how Zscaler can help you make a good thing even better

Zscaler can make your Office 365 deployment more simple, smooth, and successful, so you can have users taking advantage of Office 365 more quickly. If you already use the award-winning Zscaler Cloud Security Platform, you may be one click away from activating Zscaler for Office 365. Otherwise, contact Zscaler to request a demo and more information.

Zscaler purpose-built multi-tenant cloud security platform

<p>ACCESS CONTROL</p> <ul style="list-style-type: none"> • CLOUD FIREWALL • URL FILTERING • BANDWIDTH CONTROL • DNS FILTERING 	<p>THREAT PREVENTION</p> <ul style="list-style-type: none"> • IPS & ADVANCED PROTECTION • CLOUD SANDBOX • ANTIVIRUS • DNS SECURITY 	<p>DATA PROTECTION</p> <ul style="list-style-type: none"> • DATA LOSS PREVENTION • CLOUD APPS (CASB) • FILE TYPE CONTROLS 		
<p>POWERED BY PATENTED TECHNOLOGIES</p>				
<p>SSMA™</p> <p>All security engines fire with each content scan – only microsecond delay</p>	<p>ByteScan™</p> <p>Each outbound/inbound byte scanned, native SSL scanning</p>	<p>PageRisk™</p> <p>Risk of each object computed inline, dynamically</p>	<p>NanoLog™</p> <p>50:1 compression, real-time global log consolidation</p>	<p>PolicyNow™</p> <p>Policies follow the user for Same on-premise, off-premise protection</p>

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.

