Why Apcela's Office 365 Accelerator?

Over 120 million Microsoft Office accounts have moved from on-premises to the cloud since the launch of Microsoft Office 365. Enterprises now think and re-think their approach to managing application performance requirements as Office 365 takes on an increasingly strategic position in their SaaS portfolios.
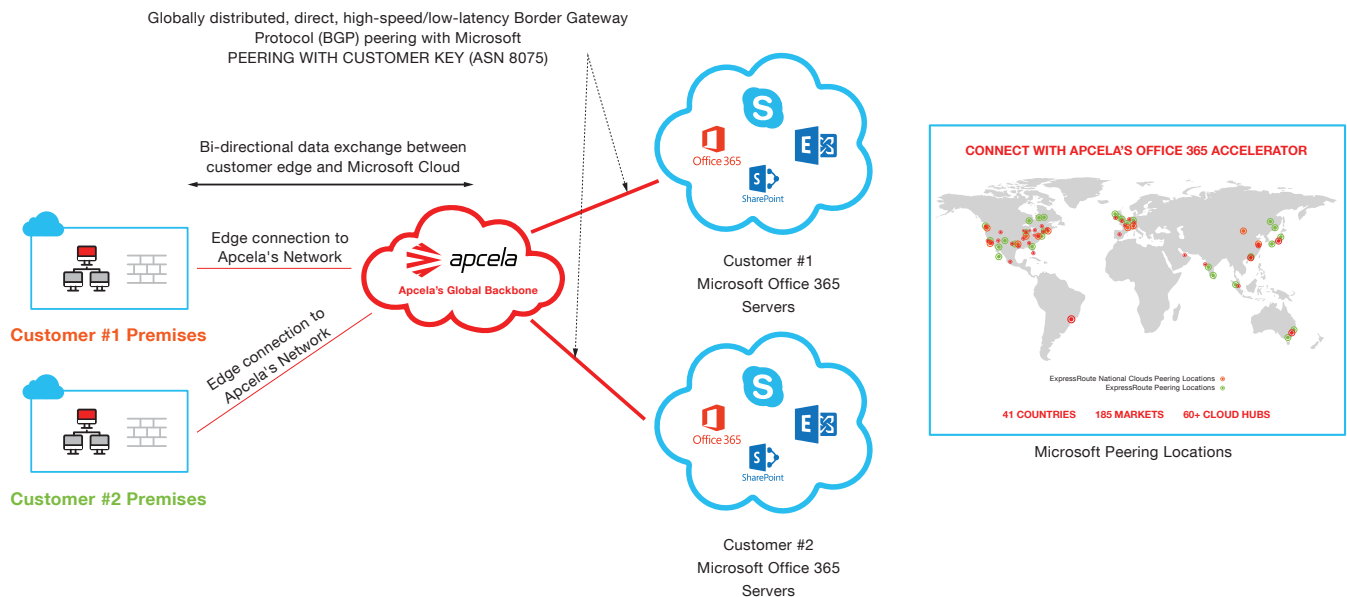
With Apcela's Office 365 Accelerator, enterprises gain direct Office 365 connectivity, optimized for improved performance, whether users are centrally located or distributed across geographically dispersed regions. Enterprises can rest assured they are getting the FASTEST possible Office 365 performance, without commissioning an intrusive, time-consuming cloud performance or acceleration effort.

Apcela provides a rich set of instrumentation (using the Apcela Enhanced Analytics Platform (EAP)) to monitor, diagnose and predict possible Office 365 performance impairments. We dynamically determine the best latency-optimized location for Microsoft peering, leveraging Apcela's proprietary FiberSource™ database, an assessment of our customers' Office 365 configuration, and our network of AppHUBs. Moreover, we provide our customers with a customized instance of EAP for Office 365 which provides detailed visibility into the performance and condition of the path and the application.

Accelerator for Office 365 is available for customers globally independent of their WAN architecture.

APCELA OFFICE 365 ACCELERATOR | REFERENCE ARCHITECTURE

APCELA'S OPTIMIZED EDGE CONNECTIVITY ENSURES CUSTOMER PREMISES ARE AS CLOSE AS POSSIBLE TO THEIR MICROSOFT OFFICE 365 NODE

Globally distributed, direct, high-speed/low-latency Border Gateway Protocol (BGP) peering with Microsoft PEERING WITH CUSTOMER KEY (ASN 8075)

Bi-directional data exchange between customer edge and Microsoft Cloud

Edge connection to Apcela's Network

Apcela's Global Backbone

Edge connection to Apcela's Network

Customer #1 Premises

Customer #2 Premises

Customer #1 Microsoft Office 365 Servers

Customer #2 Microsoft Office 365 Servers

CONNECT WITH APCELA'S OFFICE 365 ACCELERATOR

ExpressRoute National Clouds Peering Locations
ExpressRoute Peering Locations

41 COUNTRIES   185 MARKETS   60+ CLOUD HUBS

Microsoft Peering Locations

Apcela's Office 365 Accelerator is an independent product and is neither affiliated with, nor authorized, sponsored or approved by Microsoft Corporation.

What Office 365 Accelerator Does

Apcela's Office 365 Accelerator eliminates the internet from the path between your users and assigned Microsoft Office 365 infrastructure resources. This eliminates the source of jitter, high latency and packet loss from the Office 365 data flows.

Category of Measure	Improvement	Alternative
Connectivity and Latency	• Office 365 Outlook email performs 30-50% better on the Apcela backbone versus the internet • Non-email Office 365 applications perform 40-60% better on the Apcela backbone versus the internet	Applications travel slower and share bandwidth with consumer and business internet traffic
Traceability and Accountability	Because applications travel across our network, Apcela guarantees the service quality, root cause identification and rapid remediation.	Root cause of performance impairments is unclear due to public internet
Application Performance Visibility	EAP provides query-able data discovery and analysis pertaining to application performance such as point in time trends in latency between arbitrary endpoints	Other acceleration solutions do not provide application performance analytics capabilities

Apcela peers with Microsoft Office 365 infrastructure over its global, ultra-low-latency, no-jitter backbone. Customers then transit the Apcela backbone to access their assigned Office 365 infrastructure.

How Apcela's Office 365 Accelerator Works

All Accelerator services follow Apcela's proprietary XaaS acceleration process.

Map

Accelerator services continuously optimize the path between your users and the infrastructure components they utilize.

Accelerate

Enterprises use Apcela's Office 365 Accelerator, to connect directly to Microsoft peering points around the world and establish BGP peering relationships at each. With Apcela's telemetry and user/app mapping, users are connected using the fastest and most reliable path available.

Monitor

The implementation of the Office 365 suite consists of many hundreds of service endpoints. Apcela runs telemetry from its backbone and from customer premises to baseline performance enabling machine-learning-based anomaly detection.

Analyze

The results of the Office 365 Accelerator monitoring are reviewed by senior network architects to ensure that the service is running at an optimum configuration. XaaS providers routinely move, add, and change service endpoints in the provider cloud. Without constant analysis, static configurations can drift resulting in sub-optimal performance.

Adjust
We use the results the data gathered to adjust the configuration of the Office 365's performance. This constant attention to the day-to-day dynamic nature of XaaS and the global network, ensures that you can focus on higher value-adding activities.

Report
Apcela provides its customers with Apcela's Enhanced Analytics Platform (EAP). EAP for Accelerator Office 365 provides an analytical and data visualization platform in which customers can consult 24/365.

SERVICE GEOGRAPHY
Apcela Accelerator for Office 365 is available in the U.S. in Q2 2018 and globally in Q3 2018. U.S. AppHUBs with Accelerator Office 365 on-ramp capabilities include:

- Atlanta
- Denver
- Los Angeles
- New York
- Seattle
- Silicon Valley/San Jose, CA
- Washington, DC
- Minneapolis (Q3 2018)
- Salt Lake City (Q3 2018)
- St Louis (Q3 2018

Benefits for your Business
- Quickly improve Office 365 performance and dynamically track your assigned Microsoft Office 365 infrastructure to ensure the best performance possible
- Easily implement via Apcela's global ULL backbone
- Utilize detailed instrumentation on YOUR assigned Microsoft infrastructure (via Apcela Enhanced Analytics Platform – EAP)
- Reduce Mean-Time-to-Diagnosis (MTTD) by consolidating myriad dashboards, system logs

  and related environmental information in one place making it easier for system operators to identify correlated events
- Improve Office 365 Anomaly Detection by baselining "normal" characteristics on EAP and allowing EAP to identify the outliers

Compliance Mandates
For companies that must meet stringent privacy or security requirements, Accelerator for Office 365 is available in private instance/fully encrypted configurations.

For more information, visit https://www.apcela.com/office-365-accelerator/ or email sales@apcela.com.

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