

PRODUCTS & SERVICES

ECX FABRIC ENABLEMENT

Leverage Equinix Professional Services to Seamlessly Connect to the Cloud

With Equinix Cloud Exchange™ Fabric (ECX Fabric), Equinix delivers end-to-end capabilities that help enterprises build scalable, highly available, resilient, cost-efficient and secure interconnected cloud environments. And now, with ECX Fabric Enablement, Equinix Professional Services (EPS) is making it easier than ever to complete the setup and configuration necessary to activate your connection to the cloud.

Enterprise benefits

ECX Fabric extends your market reach and increases the privacy, performance, security and reliability of your cloud service connections, while simplifying interactions with cloud service providers.

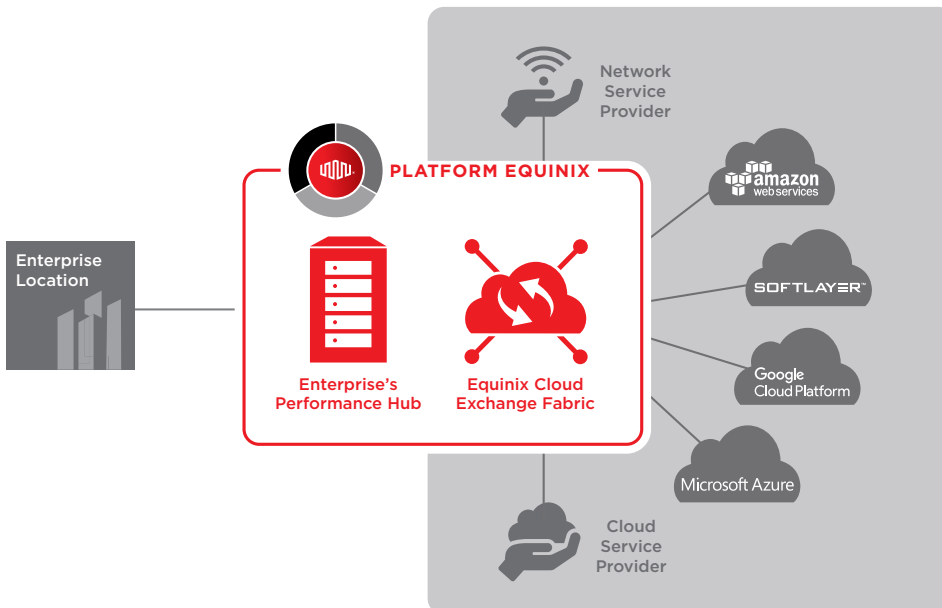
- Increase speed to multicloud: Automated, near real-time provisioning to multiple cloud service providers
- Improve performance: Improve cloud application performance by connecting directly to cloud service providers
- Increase security: Build a more secure application environment by deploying applications within your data center's local area network
- Reduce cost: Lower your total cost of private network connectivity to cloud service providers

What is ECX Fabric?

ECX Fabric directly, securely and dynamically connects distributed infrastructure and digital ecosystems on Platform Equinix® via global, software-defined interconnection.

Available across 25+ locations, ECX Fabric is designed for:

- Scalability, agility and connectivity over a self-service portal or API
- On-demand cloud connection automation
- Global reach through a single port with many remote connections
- High-performance direct connections
- Driving your digital future forward



The ECX Fabric Enablement solutions outlined in this document are specific for Microsoft Azure or Amazon Web Services (AWS).

What is ECX Fabric Enablement?

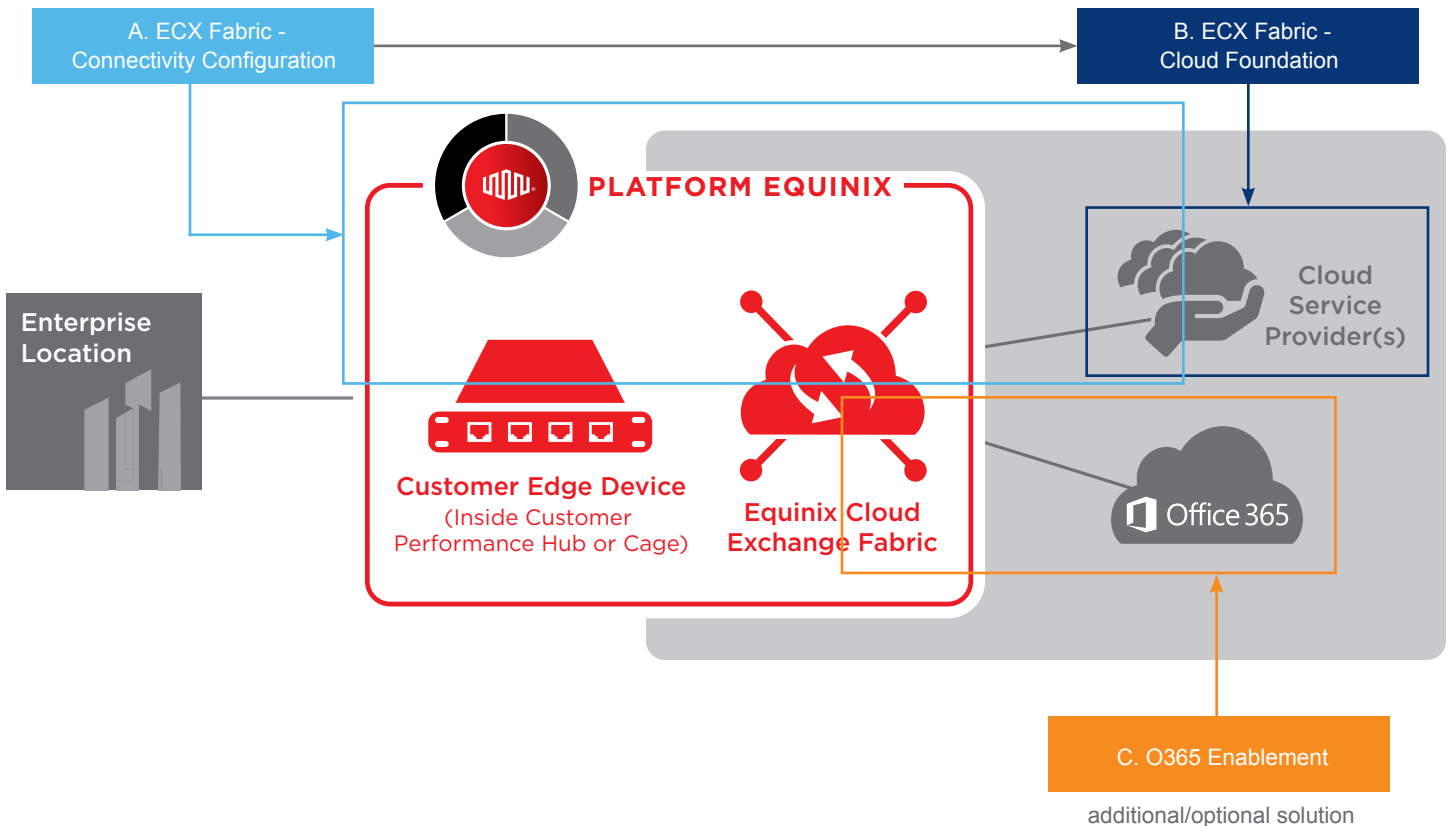
EPS offers two distinct solutions to help you take advantage of ECX Fabric. Depending on your existing environment, in-house resources and network readiness, you can choose one or two of the ECX Fabric Enablement Solutions.

ECX Fabric Enablement solutions

- **ECX Fabric—Connectivity Configuration:** Set up and configure a working connection from your edge device (inside your Performance Hub™ or cage) to a single cloud service provider (CSP) via ECX Fabric
- **ECX Fabric—Cloud Foundation:** Set up and configure of a secure starter environment in a single cloud provider, resulting in a fully functional hybrid-cloud platform from where you can confidently expand your cloud footprint

Additional solutions

- **O365 Enablement:** Set up and configure a ready-to-consume private connection over ECX Fabric to Microsoft Office 365. Note: Requires Microsoft Technical Account Manager (TAM) approval



ECX Fabric—Connectivity Configuration

EPS will set up and configure a working connection from your edge device (inside your Performance Hub or cage) to a single cloud service provider (CSP) via ECX Fabric.

Pre-configuration activities:

Network planning session (remote)

- Review overall cloud strategy
- Review current and future ECX Fabric architecture design
- Review desired BGP deployment end state and best practices for target CSP
- Review and complete ECX Fabric Enablement Readiness Checklist
- Identify risks and deployment requirements
- Create a custom ECX Fabric Connectivity Configuration Next Steps Plan

Configuration activities:

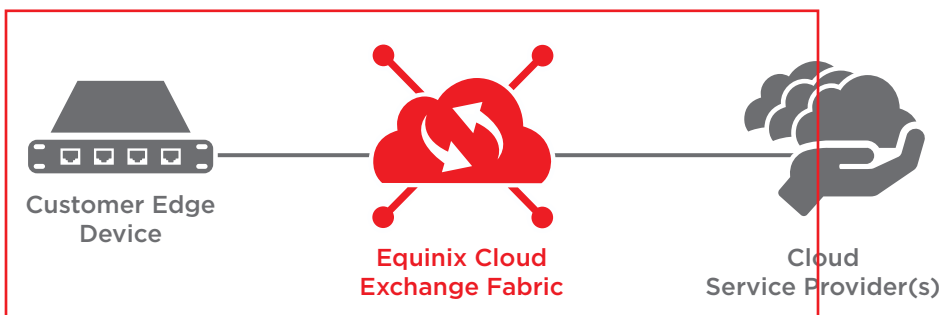
- Confirm completion of all prerequisites
- Validate requested updates to the ECX Fabric Enablement Readiness Checklist from network planning session
- Configure BGP peering(s) between approved customer edge device and CSP (public and private)
- Configure VLAN connections between your approved edge device and ECX Fabric
- Configure ECX Fabric remote connections between your edge, via ECX Fabric, and a single CSP gateway
- Perform connectivity testing using a customer-provided device virtual machine (VM) or server, and a purpose-built cloud VM
- Conduct a post-deployment quality assurance call

Deliverables:

- Configured connectivity between your edge to a single CSP via ECX Fabric
- Logical customer edge-to-CSP edge network diagram with current state configuration
- Post implementation documentation

Ideal for enterprises that:

- Typically outsource professional services for networking
- Lack in-house BGP skill set
- Require remote connections to their CSP in an expedited manner



ECX Fabric—Cloud Foundation

EPS will design and build a functional and secure starter environment in a single cloud provider, resulting in a fully functional hybrid-cloud platform from where you can confidently expand your cloud footprint.

Pre-configuration activities:

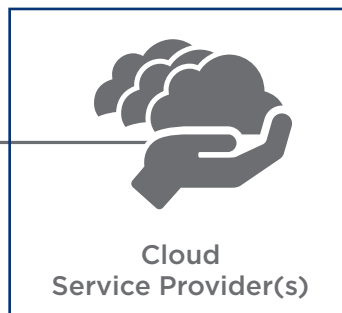
- Cloud discovery workshop (remote) to determine business needs to configure the below:

Configuration activities:

- Create CSP accounts, subscriptions and more:
 - Create an initial cloud account (single subscription)
 - Configure necessary required billing and administration elements
 - Assist with technical segregation of complex environments
- Configure key network segments:
 - The foundation of a cloud “infrastructure” and home to your cloud services
 - With AWS, this refers to the VPC
 - With Azure, this refers to the VNET
- Configure cloud networking:
 - Core networking infrastructure including subnets, DNS, DHCP, IP addressing, security groups, routing and high-level firewall concepts
- Configure cloud security:
 - Common CSP security elements including users, groups and roles/policies
 - Review optional elements such as multi-factor authentication and custom portal URLs

Deliverables:

- Workshop summary
- Configured, secured and functional single CSP environment
- Post-configuration call and knowledge transfer



Ideal for enterprises that:

- Have already connected their ECX device to CSP edge (or are planning on using EPS to do so)
- Want a fully functional cloud environment, set up to custom specifications

About EPS

Equinix Professional Services offers practical guidance and proven solutions to help you optimize and future-proof your data center architecture. Our Professional Services experts have decades of specialized data center expertise and hands-on experience in assessing, enabling, migrating, optimizing, planning, designing, testing and deploying IT infrastructure, networks and cloud architectures. We'll work with you to develop data center solutions that adapt to the ever-growing, ever-changing requirements of your business.

For more information about our ECX Fabric Enablement services, contact us at epssales@equinix.com.

Additional solutions

ECX Fabric - O365* Enablement

EPS will deliver a tested and ready-to-consume private connection over ECX Fabric from one Equinix IBX data center to Office 365*. Note: This solution requires Microsoft TAM approval.

Pre-configuration activities:

Office 365 readiness planning session (remote)

- Review overall cloud strategy
- Review current and future ECX Fabric network architecture design
- Review desired BGP deployment end state and best practices for Office 365
- Review and complete ECX Fabric Enablement Readiness Checklist
- Identify risks and deployment requirements
- Create a custom ECX Fabric Configuration Next Steps Plan

Configuration activities:

- Configure required accounts, including Azure, Office 365, Skype for Business, etc., as well as required cloud entities for networking (e.g., VNET)
- Configure ECX virtual circuit connectivity between your edge, via ECX, and the CSP gateway
- Configure public BGP peering(s) between your edge (via ECX) and CSP
- Complete end-to-end testing to verify operability
- Assist with validating application functionality

Deliverables:

- Remote connection(s) to Office 365 (including Layer 2 connectivity, BGP deployment and Public NAT) via ECX Fabric
- Network diagram (illustrating the customer edge to Office 365) with documented configuration changes made
- Post-deployment call and knowledge transfer

Ideal for enterprises that:

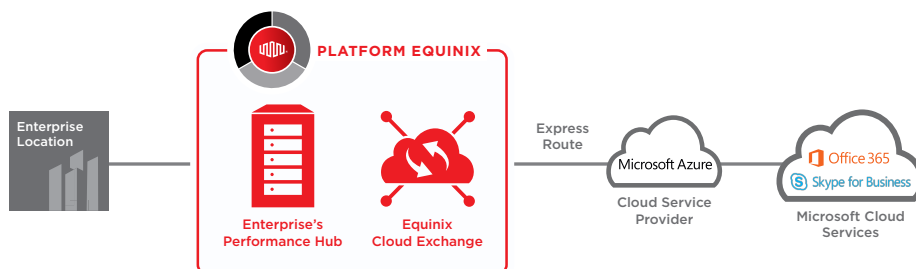
- Have already connected an ECX Fabric device to CSP edge, or are planning on using EPS to do so
- Are mandated to use direct networking for regulatory purposes or where a network assessment is required for Skype for Business

About Equinix

Equinix, Inc. (Nasdaq: EQIX) connects the world's leading businesses to their customers, employees and partners inside the most-interconnected data centers. In 48 markets across five continents, Equinix is where companies come together to realize new opportunities and accelerate their business, IT and cloud strategies.

In a digital economy where enterprise business models are increasingly interdependent, interconnection is essential to success. Equinix operates the only global interconnection platform, sparking new opportunities that are only possible when companies come together.

Learn more at [Equinix.com](https://www.equinix.com)



ExpressRoute is not required or recommended for Office 365 except where mandated to use direct networking for regulatory purposes or where a network assessment requires it for Skype for Business connectivity (Media Quality and Network Connectivity Performance in Skype for Business Online). [Find out more.](#)