

Ethernet

Connecting to Tomorrow's Clouds and Applications with Flexible Global Ethernet

In a world of emerging markets, new trading patterns, Cloud computing and software defined networking, straightforward, ubiquitous Ethernet connectivity offers performance, flexibility and cost-efficiencies like no other network technology.

Not only is Ethernet relatively simple to manage enabling enterprises to rationalize their LAN - WAN environments, but it is the perfect mechanism to connect to high performance Cloud infrastructures, application workloads and Cloud content. And because it is delivered as "layer 2" connectivity, network boundaries are simplified enabling rapid and flexible service provisioning.

Ethernet from Global Cloud Xchange is a MEF CE 2.0 certified service delivered across GCX's privately-owned and operated global fiber-optic network, presented as flexible, point-to-point or hub & spoke Global Ethernet.



The service is available in 4 variants offering different levels of protection and performance: Global Ethernet Premium offers traffic prioritization with 3 Classes of Service available to support voice, video and data, while Global Ethernet Aggregated offers point to multi point Ethernet services. Global Ethernet Standard offers best-effort performance and fewer technical and service features at a more cost-effective price point meaning there is an option to meet every requirement. Global Ethernet VPLS provides a multi point solution with traffic prioritization over 3 CoS.

Bandwidth is available in increments of 1 Mbps up to 10 Gbps, and billing can be provided as either flat-rate or usage-based. With a managed service covering the delivery, installation and maintenance of Network Interface Devices as well as end-to-end performance monitoring with visibility available through our online portal, Global Ethernet provides the ultimate cocktail of control, flexibility, performance and connectivity at an affordable price.

And what's more, the direct integration of Global Cloud Xchange's cutting edge CLOUD X and CLOUD X Fusion platforms with Global Ethernet VPLS puts the power of high performance on-demand Cloud computing just a mouse-click away.

Key Highlights

- Connectivity in more than 90 countries around the world including comprehensive coverage across the Emerging Markets Corridor.
- Highly secure Ethernet service built on world's largest privately owned self-healing global MPLS/ IP network
- MEF CE 2.0 certification offering predictability of service functionality and performance
- Point-to-point or hub & spoke connectivity with 3 Classes of Service (CoS) offering performance guarantees
- Bandwidth scalability up to 10 Gbps with bandwidth upgrades available in increments of 1 Mbps
- Seamless integration with Global Cloud Xchange CLOUD X and CLOUD X Fusion platforms
- Flat rate and Usage-Based Billing options
- Comprehensive managed Service – NID-based service monitoring, 24x7 helpdesk and Online portal for real-time performance management and reporting

Service Features

- **Managed Ethernet Service:**
 - Delivery, installation and maintenance of Network Interface Devices ("NIDs")
 - End-to-end fault-management and performance monitoring
 - Online portal for network performance visibility, reporting and customer service
- **Agility:** Faster delivery timelines through robust process architecture and best in class delivery
- **Flexibility:** Bandwidth upgrades in increments of 1 Mbps upto 10 Gbps, usage as well as flat-rate billing
- **Service Continuity:** Bandwidth upgrades can be delivered without service disruption
- **Service Assurance:** SLAs covering site Availability, Round Trip Delay (RTD), Packet Loss and Jitter
- **Cloud:** Seamless integration and interoperability with CLOUD X and CLOUD X Fusion provides enterprise grade on-net access to Cloud computing platforms throughout the world



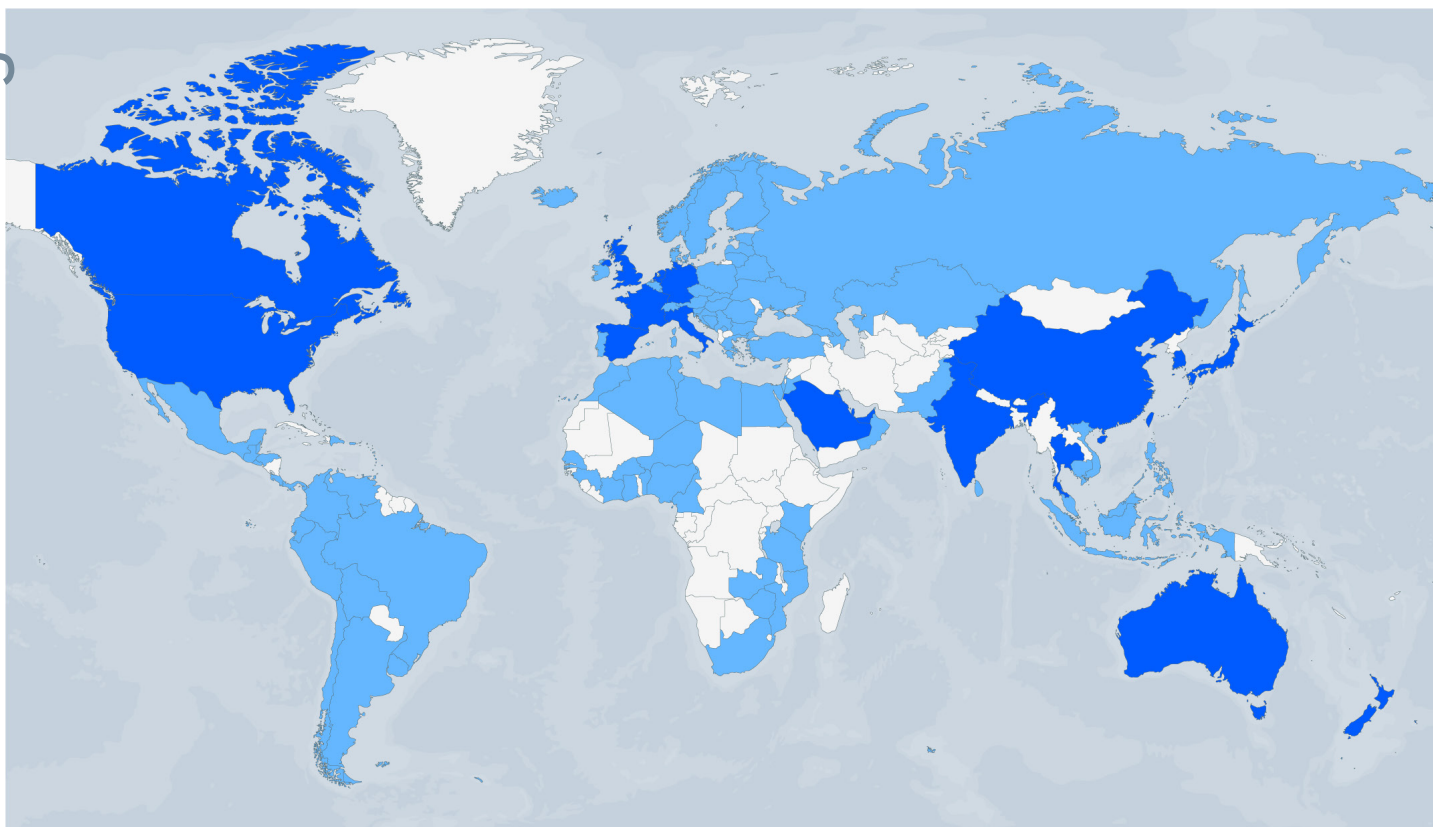
Why Global Cloud Xchange?

GCX is different. It's state-of-the-art global fiber network connects most of the world's major business centers and Internet Exchange Points as well as reaching deep into emerging markets such as Asia and the Middle East. Yet unlike other global network operators GCX owns its own network down to the fiber under the oceans, meaning it remains in total control of the infrastructure; control to make changes and upgrades, add new cables and PoPs, even upgrade core capacity throughout the entire subsea cable system.

So whether you are a manufacturer deploying Cloud-based applications to a new market in a matter of minutes courtesy of Global Cloud Xchange's integrated Cloud and Global Ethernet platform, or a software company running latency-sensitive applications between developers in Asia, and business analysts in North America, Global Ethernet from Global Cloud Xchange gives you security, simplicity, flexibility and performance regardless of distance or geography.




Service Coverage



■ GCX Coverage ■ Partner Coverage

Boundary representations are not necessarily authoritative
Coverage area is dynamic and subject to change | The map is not to scale
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Solution Features

- **Technology:** Point to point and hub-and-spoke over MPLS (RFC 4448) with seamless extension into Metro Ethernet & EoSDH based networks
- **Standards Compliance:** MEF certified CE 2.0 certified service 
- **Variants:**
 - Global Ethernet Premium: Traffic prioritization with 3 Class of Services
 - Global Ethernet Standard: Best-effort performance
 - Global Ethernet Aggregated – Point to multipoint Ethernet services
 - Global Ethernet VPLS – Multipoint services with traffic prioritization over 3 CoS
- **Class of Service:** 3 Classes of Services supporting voice, multimedia and data
- **Scalability:** Bandwidth support from 1Mbps up to 10 Gbps
- **Interfaces Supported:**
 - Copper: 10/100/100 Base T/Tx (RJ-45 Connector)
 - Fiber: 1000 Base LX/SX/ 10G
- **MTU:** Jumbo Frame support (up to 9,000 Bytes)
- **Standards Compliance:** 802.1q VLAN transparent. Layer 2 (802.1p) with Q-in-Q tagging for added granularity and control

