

CME GLink

CME GLink is a customer-managed connectivity solution providing access to the CME Globex platform from within the CME Co-Location facility. Customers using GLink are required to license space at the CME Group Co-Location facility and the GLink connection must terminate in the Customer's Licensed Space within the data center. GLink may not be terminated to a carrier or other transport offering.

CME Globex Platforms have been deployed in Equinix's NY5 data center in Secaucus, NJ and LD4.2 data center in Slough, UK to support BrokerTec and EBS markets. GLink services have been deployed at these locations to provide access to Equinix co-located customers - Equinix International Business Exchange ("IBX") Licensed Space customers. The information and links below provide technical information for GLink service at these locations.

CME GLink connectivity provides access to:

- iLink order entry on the CME Globex platform for futures, options, BrokerTec, and EBS markets
- Market data for futures, options, BrokerTec, and EBS markets on CME Globex disseminated over the CME Market Data Platform (MDP)
- CME Clearing House systems for CME Group markets.
- [GLink Connectivity Procedures](#)
 - [Customer Requirements](#)
 - [Best Practices/Recommendations \(but not required\):](#)
 - [Routing Requirements](#)
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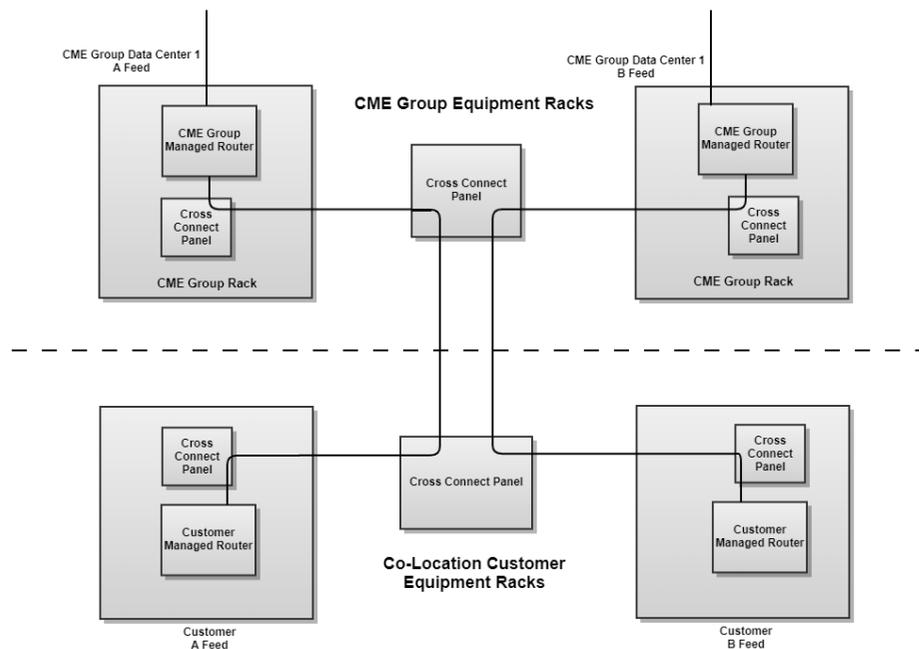
See Also:

- [GLink Architecture - Aurora](#)
- [GLink Architecture - Secaucus](#)
- [GLink Architecture - Slough](#)

i This option is not available to exchanges other than Participating Exchanges.

Handoff Specifications

- 10 Gbps hand-off
- Single-mode fiber
- 10GBase-LR long-wavelength/long haul



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- All connections at the facility are single-mode fiber.
 - A and B feeds are sourced from the same data center.

GLink Connectivity Procedures

Customer Requirements

For GLink connectivity, customers must meet the following requirements:

- At a minimum the customer must support Layer 3 protocols. It is recommended that the customer facilitate the termination of each GLink cross-connect in a redundant configuration.



To preserve infrastructure integrity, CME Group will close the port for a device not conforming to protocol specifications.

- GLink termination must be on customer equipment inside the respective colocation Licensed Space
- Customers must be able to terminate 1310nm 10Gbps Ethernet (10G-LR) via a transceiver or fixed port in their equipment
- Customer equipment must support the following protocols: Ethernet, IP, BGP, and PIM Sparse Mode
- Customer IP packets must be sourced from the IP range assigned by CME Group

Best Practices/Recommendations (but not required):

- Do not use media converters
- Terminate the GLink on a L3 switch
- Put IP address of point-to-point network provided by CME on interface terminating GLink

Routing Requirements

- Customer routers must be capable of using advanced TCP/IP Protocols including BGP and multicast, specifically PIM Sparse Mode.
- BGP routing must be used on the routers terminating CME Group connections.
- It is recommended that customers use a routing protocol between their routers to provide automatic failover.
- All IP packets destined for CME Group must be sourced from CME Group-assigned private address space.
- Multicast PIM Sparse Mode must be used.
- Customers have the ability to advertise more specific routes on the GLink connections to allow for routing failover and fault tolerance.

Restrictions

The following restrictions apply to GLink connectivity:

- No site-to-site connectivity.
- CME Group will not accept traffic sourced from any customer's public IP space.
- Only one Market Data Platform data feed per router is allowed.
- Customer hardware must be capable of supporting quote streams (e.g., PIM sparse mode).
- Customer equipment must be in CME Group-approved space