

CME LNET

CME LNet is a client-managed connectivity solution providing access to the CME Globex Platform in Aurora from 350 East Cermak, Chicago, IL. CME LNet service also offers clients connectivity to BrokerTec and EBS US and EU markets located in Secaucus, NJ, and Slough, UK. LNet customers are required to have separate connectivity to access CME Group Futures and Options, BrokerTec, and EBS.

Customers can connect via CME Group-approved 3rd party vendors who provide a proximity hosting service to all market participants.

There are three CME Group-approved 3rd party vendors. Customers select their vendor based on their individual needs and criteria. Vendors may offer self-managed solutions which allow customers to secure data center space and connectivity with the customer performing maintenance and daily support of the technical environment or fully-managed solutions which include vendor-provided space, connectivity, technical maintenance, and daily services. The customer owns the relationship with the 3rd party vendor and negotiates terms and conditions with the vendor as needed.

Refer to the [Customer Requirements](#) topic below for specific contact information. The customer or customer's service provider is required to have fiber directly to the respective Meet Me Room (MMR). This option is not available to exchanges other than Participating Exchanges.

CME LNET connectivity provides access to:

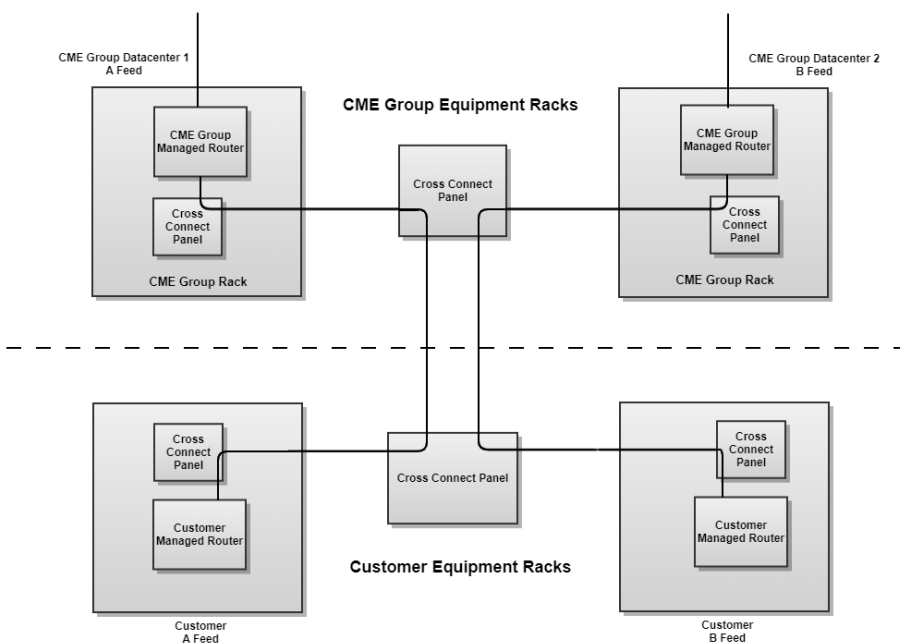
- iLink order entry on the CME Globex platform for futures, options, BrokerTec, and EBS markets
- Market data for futures, options, BrokerTec, and EBS markets on CME Globex disseminated over the CME Market Data Platform (MDP)
- CME Clearing House systems for CME Group markets.

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Handoff Specifications

- 1 Gbps hand-off
- 10 Gbps hand-off
- Single Mode Fiber
- 10G-LR (10GBASE-LR)



All connections at the 3rd party hosting facility are single-mode fiber.

LNet Connectivity Procedures

Customer Requirements

LNet Customers must meet the following requirements:

- Have or establish a presence with a CME Group-approved 3rd party hosting facility where the connection will be established.
- Note that the level of service provided by the vendors may vary. Some offer full service hosting, others provide the space and allow the customer to self-manage.
- Contact information for 3rd party vendors offering “full service” hosting:

Equinix

Greg Nelson

T +1 312 994 3906

Email: gnelson@equinix.com

DRT/Telx

Alex Ocello

T +1 312 324 4206

Email: aocello@digitalrealty.com

Cyxtera/CenturyLink (formerly Savvis)

Robert Montgomery

T +1 312 895 8304

Email: robert.montgomery@centurylink.com

- Please note that floor and suite location must be included on the Access Request Form or Schedule 2.
- Although CME Group facilitates the cross connect requests within the hosting facility, it is the customer's responsibility to complete and/or approve any vendor agreements that may be applicable.
- Provide two routers or Layer 3 switches that will terminate each 1 or 10 Gbps, single-mode fiber cross-connect.
- The point-to-point IP address must be configured on the interface closest to CME Group device.
- CME Group recommends that the customer checks the Signal/Light levels at the time of turn up in order to attenuate levels to protect equipment.
- Verify connectivity requirements with the respective vendor.
- Avoid using media converters.
- The customer's SFP or GBIC must be compatible with long wavelength/long haul SFPs.
- Please note there are specific prerequisites for firms interested in becoming a CME Group-approved 3rd party vendor that provides proximity services. Please contact your [Global Account Manager](#) for more information.

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.

Restrictions

The following restrictions apply to LNet connectivity:

- No site-to-site connectivity.
- No direct server connectivity into CME Globex.
- Terminating the circuit on a Layer 2 device is not allowed.
- 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 approved space