

EBS Production Connectivity Options

This page provides a high-level summary of the connectivity options to access EBS markets. The grid below provides connectivity product descriptions, availability, setup, and more for EBS customers migrating to CME Globex and other connectivity offerings. The offerings include; CME GLink, CME LNet, EConnect, CME Globex Hub, CDN, and RNet.

Separate connections are required to access EBS Market and EBS Direct. Existing EBS connectivity offering will continue to be supported during the integration with additional information being announced in upcoming EBS integration notices. For questions on existing EBS Connectivity offerings, please contact your EBS account representative.

All existing EBS iCross connectivity will be turned off upon migration to CME Globex. iCross customers must choose an alternative connectivity offering.

	CME GLINK	CME GLOBEX HUB	ECONNECT		CME LNET	CME GLOBEX HUBS	CLIENT INTERNET LINK	CLIENT DELIVERY NETWORK	RNET
			NY4/NY5	HALSEY & 111 8TH					
DESCRIPTION	Client-managed solution offering lowest latency option to connect to EBS Market trading engine supported by equidistant cross connects.	Client-managed solution to connect to EBS Market and EBS Direct from TY3 or TY5	Client-managed, low cost solution allowing customers to connect via cross connects or carrier circuits to EBS Market and EBS Direct at the Equinix Secaucus campus.	Client-managed solution allowing customers to connect to EBS Market and EBS Direct via diverse CME Group Points Of Presence (POP) in NJ and NY via cross connects or carrier circuits.	Client-managed solution allowing customers to cross connect to EBS Market and EBS Direct via authorized providers at the 350 East Cermak facility in Chicago, Illinois.	Client-managed solution allowing customers to connect to EBS Market and EBS Direct via diverse CME Group POP at designated data center locations around the globe via cross connects or carrier circuits.	Client-managed connection to a secure, encrypted VPN tunnel through the Internet.	A leased line, carrier circuit, solution to connect to EBS TCP market data and send orders to the trading engine.	Client-managed solution offering the lowest latency access to EBS Direct, CPT and EBS Workstation. Customers can connect via a cross connect or carrier circuit to EBS RNet locations listed below.
CUSTOMER AVAILABILITY LOCATIONS	Equinix: <ul style="list-style-type: none"> • Secaucus, New Jersey (NY2, NY4, or NY5) • Slough, United Kingdom (LD4 or LD4.2 only) 	Equinix: <ul style="list-style-type: none"> • Tokyo, Japan (TY5) • Licensed space customers in TY3 can cross connect to Globex Hub - TY5 	Equinix: <ul style="list-style-type: none"> • Secaucus, New Jersey (NY2, NY4, or NY5) 	<ul style="list-style-type: none"> • Newark, New Jersey (165 Halsey) • NYC, New York (111 8th Ave) 	Available to customers who have leased space at 350 East Cermak from: <ul style="list-style-type: none"> • Equinix • Cyxtera • DRT • Telx 	At these points of presence: <ul style="list-style-type: none"> • Aurora • Slough, United Kingdom - LD4/LD5* • Hong Kong • Seoul • Singapore • Tokyo 	Globally with access to POP in Secaucus and Slough.	Equinix: <ul style="list-style-type: none"> • Secaucus, New Jersey • Slough, United Kingdom • Tokyo, Japan 	Equinix: <ul style="list-style-type: none"> • Secaucus, New Jersey (NY5) • Slough, United Kingdom (LD4.2) • Tokyo, Japan (TY3)

* EBS customers located in LD6 can order a cross connect to CME Hubs located in Slough.

	CME GLINK	CME GLOBEX HUB*	ECONNECT		CME LNET	CME GLOBEX HUBS	CLIENT INTERNET LINK	CLIENT DELIVERY NETWORK	RNET
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CUSTOMER SET-UP	<ul style="list-style-type: none"> Connect via equidistant single-mode fiber (SMF) cross connects Complete the appropriate paperwork A Letter of Authorization (LOA) will be provided to allow EBS Market customers to order a pair of equidistant, single-mode fiber cross connects from Equinix 	<ul style="list-style-type: none"> Connect via cross connects if co-located or via customer-provided access circuits if not co-located Complete the appropriate paperwork Two Letters of Authorization (LOAs) will be provided to allow the customer or the customer's circuit provider to connect to a specific CME Group designated patch panel ports at each of the respective facilities. 	<ul style="list-style-type: none"> Connect via SMF cross connect if co-located or via customer-provided carrier access circuit (extended with fiber handoff) if not co-located. Completed the appropriate paperwork Two Letters of Authorization (LOAs) will be provided to allow customers or their circuit providers to connect to specific CME Group designated patch panel ports at the Equinix Secaucus Campus and/or order single-mode fiber cross connects from Equinix 	<ul style="list-style-type: none"> Connect via SMF cross connect if co-located or via customer-provided carrier access circuit (extended with fiber handoff) if not co-located. Complete the appropriate paperwork Two Letters of Authorization (LOAs) will be provided to allow the customer and/ or the customer's circuit provider to connect to a specific CME Group designated patch panel port at each of the respective facilities 	<ul style="list-style-type: none"> Connect via SMF cross connects Complete the appropriate paperwork A Letter of Authorization (LOA) will be provided to authorize the customer c/o Equinix, Cyxtera, DRT or Telx to order a pair of single-mode fiber cross connects to specific CME Group designated patch panel ports 	<ul style="list-style-type: none"> Connect via cross connects if co-located or via customer-provided access circuits if not co-located Complete the appropriate paperwork Two Letters of Authorization (LOAs) will be provided to allow the customer or the customer's circuit provider to connect to a specific CME Group designated patch panel ports at each of the respective facilities 	<ul style="list-style-type: none"> Have a secure Internet connection and Cisco router 	<ul style="list-style-type: none"> Connect via a leased line and data center cross connect EBS customers submit the appropriate EBS CDN paperwork 	<ul style="list-style-type: none"> Connect via SMF cross connects Customers must complete the appropriate EBS Direct or EBS Select paperwork A Letter of Authorization (LOA) will be provided to allow EBS customers to order a pair of standard single-mode fiber cross connects from Equinix

Please Note: EBS customers can use the Internet to connect to the following EBS services; EBS Workstation* - Web Connect, CPT, LPM 2.0, Account Manager, STP and CME DataMine.

Supported Interfaces

			ECONNECT						
	CME GLINK	CME GLOBEX HUB*	NY4/NY5	HALSEY & 111 8TH	CME LNET	CME GLOBEX HUBS	CLIENT INTERNETLINK	CLIENT DELIVERY NETWORK	RNET
ORDER ENTRY	iLink MSGW		iLink MSGW			iLink MSGW	iLink MSGW		
	iLink CGW	iLink CGW	iLink CGW			iLink CGW	iLink CGW		
MARKET DATA	Ultra UDP MDP	Ultra UDP MDP	Ultra UDP MDP			TCP MDP	TCP MDP		
	Credit Screened TCP MDP	Credit Screened TCP MDP	Credit Screened TCP MDP			Credit Screened TCP MDP			
	Streamline Spectrum	Streamline Spectrum	Streamline Spectrum						
SHARED SERVICES	CME STP	CME STP	CME STP			CME STP	CME STP	CME STP	
	EBS Workstation ¹ – Client Managed	EBS Workstation ¹ – Client Managed	EBS Workstation ¹ – Client Managed				EBS Workstation ¹ – Full – Leased Line	EBS Workstation ¹ – Client Managed	
							Spectrum		
							Drop Copy		
RELATIONSHIP TRADING		EBS Direct 2.0	EBS Direct 2.0				EBS Direct 2.0	EBS Direct 2.0	
		Liquidity Consumer Interface	Liquidity Consumer Interface				Liquidity Consumer Interface	Liquidity Consumer Interface	
								Liquidity Provider Interface	
PORT	10Gbps	1Gbps 10Gbps	1Gbps 10Gbps			N/A	Bandwidth requirements vary contact CIS for more information	10Gbps	
CONNECTIVITY CHARGES	Refer to EBS Access Charges Fee Schedule(s) on EBS Support Portal: https://support.ebs.com/repository/ebs-market/ebsconnectivity								

¹ See EBS Workstation Notes on next page

EBS WORKSTATION NOTES:

Provides access to EBS Direct gateways; MSGW and CGW. EBS Workstation platforms are located in Secaucus, United States (NY5), Slough, United Kingdom (LD4.2) and Tokyo, Japan (TY3).

EBS Workstation options:

Full: A fully managed solution for customers to access EBS TCP market data and order entry which includes; keyboard, client software and leased line services.

Leased Line: A managed Leased Line solution to connect to EBS TCP market data and order entry. The customer is given a thin client to run on their desktop or uses a browser with the Leased Line.

Client Managed: A client-managed solution where the customer is responsible for connectivity between their premise and CME Globex connectivity option selected. These clients can use a browser or an EBS thin client.

Web Connect:

A client-managed solution where the customer installs a thin client on their desktop or uses an internet browser. The client will use the EBS self-service tool to subscribe to EBS services.

CME Network Service Provider (NSP) Connectivity

CME NSP is a carrier-managed, resilient connectivity solution providing access to the EBS production environment. CME NSP utilizes either shared Econnect or Globex Hub connections and clients have a choice of approved providers to supply the connections.

Further information can be found [here](#).

For more information, please email [Global Account Management](#)

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