

EOS Trader Hardware and Connectivity

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Connection - WAN vs. Internet

WAN, or Wide-Area Network, is a computer network that spans a large geographical area. Typically a WAN consists of 2 or more local-area networks. Using the WAN means the user has a dedicated line to CME. A network router on the customer's side points directly to CME via an IP address. The user either types the IP address into a browser or has an icon on the desktop that has the IP address stored.

Note: WAN is the most reliable connectivity method. Generally, it is up to the firm to decide whether the WAN will be used.

WAN users must add the following IP addresses to their Domain Name System:

Domain Name	IP Address
eostrader.cmegroup.com	167.204.71.9
eostrader2.cmegroup.com	167.204.71.10
eostrader3.cmegroup.com	167.204.71.47

Internet users must ensure these IP addresses and Domain Names are open on their firewalls:

Domain Name	IP Address
eostrader.cmegroup.com	205.209.196.9
eostrader2.cmegroup.com	205.209.196.10
eostrader3.cmegroup.com	205.209.196.47

NOTE: For WAN or Internet connections, ports 443 and 80 must be opened.

Connection - TCP vs. HTTPS

TCP is the most common way to establish a connection over the Internet. TCP creates a reliable connection between two computers.

HTTP is a protocol. Whoever "speaks" HTTP can exchange documentation over a connection. HTTPS is HTTP over a secure connection. The secure connection is established using SSL.

TCP streaming is a persistent connection to our EOS Trader servers. With a TCP connection, the source address will be 205.209.196.10. HTTPS, by contrast, has to periodically poll the server and is very susceptible to being impacted by virus scanners, firewalls and other programs. An HTTPS connection is mapped over to 205.209.196.47 and it is this mapping that makes HTTPS slower than TCP.

Note: It is strongly recommended that you use an HTTPS connection only when you are restricted from running TCP.

CME Group recommends a TCP connection using the most current version of Java (version 1.6.14 is the minimum).

NOTE: For a TCP connection, ports 80 and 443 must be opened.
Source Address = TCP 205.209.196.10 and HTTPS 205.209.196.47

Hardware

Any PC that is Windows 7 PC capable (i.e. any computer made in the past 2 years) is sufficient. The PC does not need to have Windows 7 (or run it), but a Windows 7 capable PC generally has the following specs:

- 3GHz + dual-core or higher processor. Quad-core processor preferred.
- 4GB memory or greater. DDR3 memory preferred.
- A dedicated Video Card (not on-board) with at least 1GB of memory
- Recommended Monitor Resolution setting:
- 1280 x 1024 or higher. 1920 x 1200 preferred.
- Broadband internet connection (5+Mbit) with low latency. Dedicated WAN connection preferred.