

Townsend Analytics Global Connectivity

Connectivity sample list

North American Exchanges

American Stock Exchange (D, T)
 Bolsa Mexicana De Valores (D)
 Boston Options Exchange (T)
 CBOE (D, T)
 CBOT e-cbot (D, T)
 Chicago Mercantile Exchange (D, T)
 CME GLOBEX (D)
 Eurex US (D)
 Intercontinental Exchange (ICE) (D)
 International Securities Exchange (T)
 MLX (T)
 Montreal Exchange (D)
 Nasdaq (D, T)
 New York Board of Trade (D)
 New York Mercantile Exchange (D)
 COMEX (D)
 New York Stock Exchange (D, T)
 NYSE Arcasm (D, T)
 NYSE Arca Options (D, T)
 NYSE BondsSM (D, T)
 NYSE DOT (D, T)
 OneChicago (D)
 Options Price Reporting Authority (D)
 Philadelphia Stock Exchange (D, T)
 PBOT (D)
 Toronto Stock Exchange (D, T)
 TSX Venture Exchange (D)

European Exchanges

Berlin Stock Exchange (T)
 Bolsa de Madrid (D)
 Borsa Italiana (D, T)
 Budapest Stock Exchange (D)
 Deutsche Borse (D, T)
 Eurex (D, T)
 Euronext (D, T)
 Amsterdam
 Brussels
 Lisbon
 Paris
 Financial Times Stock Exchange (D)
 London Metal Exchange (D)
 London Stock Exchange (D, T)
 MEFF (D, T)

OMX Nordic Exchange) (D, T)
 Copenhagen
 Helsinki
 Stockholmbörsen
 Oslø Bors (D, T)
 Prague Stock Exchange (D)
 Spanish Futures Exchange (T)
 Swiss Stock Exchange (D, T)
 Stuttgart Stock Exchange (D)
 Warsaw Stock Exchange (D)
 Xetra (D, T)

Asia Pacific Exchanges

Australia Securities Exchange (D)
 Hong Kong Futures Exchange (D, T)
 Hong Kong Stock Exchange (D, T)
 JASDAQ (D, T)
 Singapore (D)
 Sydney Futures Exchange (D)
 Korea Stock Exchange (D)
 KOSDAQ (D)
 Osaka Stock Exchange (D, T)
 Taiwan Stock Exchange (D)
 Tokyo Stock Exchange (D, T)

ATS/ECNs

Attain (T)
 BATS (T)
 B-Trade (T)
 Credit Suisse CrossFinder (T)
 Edge X (Attain) (T)
 CrossStreamSM (T)
 HotSpotFXi (D, T)
 Lehman Brothers LCX (T)
 NYFIX Millenium (T)
 Pipeline Trading (T)
 Track ECN (T)

Foreign Exchange

Forex

HotSpotFXi (D, T)
 Saxo Bank (D,T)
 UBS (T)
 GTIS (D)

(D=Data; T=Trading)

Algorithmic Trading Routes

Automated Trade Desk (ATD)
 Banc of America
 Credit Suisse
 Deutsche Bank
 Electronic Specialist, LLC. (ESP)
 Fidelity Capital Markets Services
 Instinet International, Ltd.
 Jefferies
 Lehman Brothers
 Merrill Lynch
 NYFIX
 Sanford Bernstein
 Tethys
 Thomas Weisel Partners
 UBS

OMS Integration

FIX Trade Capture/FIX Order Routing

Advent/Moxy
 Antares OMS
 BNY ConvergEx/EzeCastle
 Charles River
 EzeCastle
 Flextrade
 Imagine
 Instaquote
 ITG/Macgregor
 LineData/Beauchamp FundManager
 LineData/Longview
 MIXIT
 Neovest
 NYFIX
 Portware
 STN/Sunguard
 Thompson/ATR
 POMS
 ULLink

Brokers

ABS Brokerage Services, LLC. (U)
Absolute Return Advisors (U)
Agora Senior Securities (U)
AKJ (E, U, C)
Atom Global Trading (U)
Baader Service Bank GmbH (E)
Bank of New York (U)
Barclays Capital (E, U)
Baypoint Trading (E, U, C)
Belzberg (U)
BNP Paribas(E, U)
BNY ConvergEx Group(E, U, C)
Bulltick (U)
Calyon Securities (E, U)
Carlin Equities (U)
Carr Futures (E, U)
CIBC (U, C)
CL King (U)
Credit Agricole - Cheuvreux (E, U)
CS Securities Europe (Credit Suisse)
(E, U)
Deutsche Bank (E, U, C)
Dresdner Kleinwort Limited (E)
Electronic Specialist, LLC. (ESP) (U)
Goldman Sachs (U)
HSBC Americas (E, U)
Hampton Securities (U, C)
Hotspot FXi
InCore Bank AG (E, U)
Integrity aka RML Trading (U)
Interactive Brokers (U)
Investscape (U)
Jefferies (U)
JPR Capital (U)
Kaplan and Co. Securities (U)
Knight Securities (U)
Lazard Capital Markets, LLC. (U)

Brokers (cont'd)

Lehman Brothers (E, U, A)
MAN Financial (E, U)
MAN Securities (E, U)
Mastertrader (U)
Merlin Securities (U)
Merrill Lynch International (E, U)
Merrill Lynch Pierce, Fenner and Smith (E, U)
Merrill Lynch Professional Clearing Corp.
(E, U)
Neonet Securities, Inc. (E, U)
Nomura (U)
NWT Financial Group (U)
On Point Executions, LLC. (U)
Pacific American Securities (U)
Pali Capital (U)
Pershing (U)
Pipeline Trading (U)
Punk, Ziegel & Co., L.P. (U)
RBC Capital Markets (E, U, C)
RJ Murphy (U)
RJ O'Brien (U)
Rosenblatt Securities (U)
Sanford Bernstein & Co., LLC. (U)
Saxo Bank (Global FX)
STG (U)
TD Securities (U)
Terra Nova Trading (U, C)
Teton (U)
Thomas Weisel Partners (U)
Toronto Dominion (U, C)
Trend Trader (U, C)
UBS Investment Bank (E, U)
UNX (U)
US Trading Corp. (U)
Wedbush Morgan (U)
White Cap Trading (U)
Wolf A. Popper (U)
Winter Flood Securities, Ltd. (E)
Zions Bank (Global FX)

(E=Europe; U=US, C=Canada, A=Asia)

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