

Interfaces & Partners

As of June 2022

Analytics & Risk

ChartIQ
Qontigo – fka Axioma
FINCAD
MSCI

Northfield
OTAS
The Yield Book Inc.

Collateral Management

Acadia Soft

Cassini

Data

Bloomberg B-Pipe
Bloomberg Data License
Bloomberg Desktop API
Bloomberg Server API

Charles River Data Service – Reference
Charles River Data Service – Real-Time
Charles River Data Service – Benchmarks

Equity Algo Trading

Abel/Noser
Aqua Securities, L.P
Auerbach Grayson
Barclay's Capital
Berenberg Bank
BMO Capital Markets Corp
BMO Nesbitt Burns
BNP Paribas
BofA Securities
BTIG, LLC
Canaccord Capital
Cantor Fitzgerald & Co.
Capital Institutional Svcs
China International Capital Corporation Hong Kong Securities Limited
CGS CIMB Securities (Singapore) Pte Ltd
Citigroup
Clearpool, Group
CLSA Limited

Commonwealth Securities, Ltd
ConvergEx Execution Solutions
Cowen & Company, LLC.
Credit Suisse
Daiwa Capital Securities Markets Co. Ltd
Dash Financial
Deutsche Bank
DnB NOR Bank ASA
Drexel
DZ Bank
Exane
Fidelity Capital Markets
FOX River Execution
Goldman Sachs
Guggenheim Securities LLC
Haitong International Information Systems Limited
HSBC
Ichiyoshi Securities Co, Ltd
Instinet

Information Classification *General

Investec Securities Limited
ISI Group
ITG Inc.
Jefferies & Company
Jones Trading Institutional Svcs LLC
JP Morgan
Keybanc
Kepler Cheuvreux
Knight Securities
Leerink Swann & Co.
Lek Securities Corporation
Liquidnet
Macquarie Securities
Maybank KimEng Securities Pte Ltd
Marex Financial
Mizuho Securities
MKM Holdings
MND Partners Inc.
Morgan Stanley
Morgans Financial
National Bank Financial Inc.
Nomura Securities
Oddo BHF SCA
Okasan Securities Co.,Ltd.

Piper Jaffray
Potamus Trading LLC
Raymond James
Royal Bank of Canada
Royal Bank of Scotland
Redburn Partners LLP
R.W. Baird
Sanford Bernstein
Santander Investment Securities, Inc.
SMBC Nikko Securities
Spectron Services Ltd.
Societe Generale
State Street Global Markets
Stifel Nicolaus
The Bank of Nova Scotia
Tokai Tokyo Securities Co, Ltd.
UBS
Virtu Financial Capital Markets LLC
Wall Street Access
Wallach Beth
Weeden & Co, Inc.
Wells Fargo
William Blair & Company

Equity Crossing Networks

Direct Integration:

AQUA ATS
BIDS Trading
BlockCross

ITG Posit
Liquidnet
Luminex

Integration via Broker Algorithms:

Citibank Liquifi, CitiMatch (Citigroup)
Cross Finder, CrossFinder+ (Credit Suisse)
Instinet Chi-X (Instinet)
MS Pool (Morgan Stanley)

PIN (UBS)
Turquoise
SigmaX (Goldman Sachs)

Foreign Exchange Trading

FX Algo

BNP Paribas
Credit Suisse

JP Morgan

Information Classification *General

Multi-Bank Portals

360T
FX All

FX Connect

Direct Bank Execution

Barclays PLC
Citigroup
Credit Suisse
Deutsche Bank

Goldman Sachs
Morgan Stanley
Skandinaviska Enskilda Banken
UBS

Derivatives Trading

Derivatives Algorithms - Futures

Barclays Capital Inc.
Bank of America Merrill Lynch
Credit Suisse
Goldman Sachs
JP Morgan Securities

Morgan Stanley
Quantitative Brokers
Societe Generale
UBS

Derivatives Algorithms – Options

Bank of America Merrill Lynch
Citigroup
Credit Suisse
DZ Bank

Goldman Sachs
MKM Partners
Morgan Stanley
Susquehanna Financial Group LLLP

Futures – Direct Execution

Agora Corretora de Titulos e Valores
Banca IMI S.p.A
Bank of America Merrill Lynch
Barclays Capital Inc.
Bayerische Hypo- und Vereinsbank AG
Bell Potter Securities, Ltd.
BGC Financial, L.P.
Bloomberg Tradebook LLC
BMO Capital Markets Corp
BNP Paribas Arbitrage SNC
CACEIS BANK FRANCE
CITIC Securities International Co. Ltd.
Citigroup Global Markets, Inc.
Coex Partners LLP
Credit Suisse Securities (USA) LLC
Danske Bank
Deutsche Bank AG
ED&F Man Capital Markets Limited
Edelweiss Securities Limited
Exane SA
Goldman Sachs

GFI Brokers Limited
HSBC Securities Inc.
ICAP Corporates LLC
INTL FCStone Financial Inc.
Itau BBA USA Securities, Inc.
RFQ-hub
JP Morgan Securities
Macquarie Capital Securities Ltd
Marex Financial Limited ("Marex Spectron")
Mediobanca -Banca di Credito Finanziario SPA
Morgan Stanley & Co. LLC
Newedge Group S.A.
Nomura International PLC
Nordea Bank AB
RBC Capital Markets, LLC
The Royal Bank of Scotland plc
Skandinaviska Enskilda Banken
Societe Generale
Spectron Services Ltd.
Svenska Handelsbanken AB
The Royal Bank of Scotland plc

Information Classification *General

Tullett Prebon Financial Services, LLC
UBS Securities LLC

Options – Direct Execution

Bank of America Merrill Lynch
Barclays Capital Inc.
Bay Crest Partners, LLC
Bayerische Hypo- und Vereinsbank AG
BGC Financial, L.P.
Bloomberg Tradebook LLC
BMO Capital Markets Corp
BMO Nesbitt Burns
BNP Paribas Securities Corp.
BTIG, LLC
Cantor Fitzgerald & Co.
Capital Institutional Svcs
Churchill Capital Ltd
CIBC World Markets Corp
Citigroup Global Markets, Inc.
Cowen & Company, LLC.
Credit Suisse Securities (USA) LLC
Deutsche Bank AG
Goldman Sachs
Goldman Sachs Australia Svcs Pty Ltd
Hapoalim Securities USA, Inc.
HSBC Securities (USA) Inc.
Instinet
Interactive Brokers LLC
ITG, Inc.
Itau BBA USA Securities, Inc
Jefferies & Company
Jones Trading Institutional Svcs LLC
JP Morgan Securities

Wells Fargo Securities, LLC
Wedbush Securities Inc.

Knight Trading
Leerink Swann & Company
Macquarie Capital Securities Ltd
Macro Risk Advisors LLC
Mediobanca -Banca di Credito Finanziario SPA
Merrill Lynch, Pierce, Fenner & Smith Inc.
MKM Partners
Morgan Stanley & Co. LLC
National Bank Financial Inc.
Newedge Group S.A.
Nomura International PLC
Nomura Securities International, Inc.
Nordea Bank AB
Oppenheimer & Co. Inc.
OTR Global Trading LLC
Patersons Securities Limited
Raymond James
RBC, The Royal Bank of Canada
Sanford C. Bernstein & Co., LLC
Sea Port Group Securities
Societe Generale
Stifel Financial Corp.
Susquehanna Financial Group LLLP
TD Securities Inc.
The Royal Bank of Scotland plc
UBS Securities LLC
Wells Fargo Securities
Wolverine Execution Services

Fixed Income Trading

Venues

Bloomberg
LedgerEdge
Liquidnet
LTX
Market Axess
MTS – BondVision

MTS - BondsPro
Tradeweb
Trumid
WaveLabs
YieldBroker

Information Classification *General

Inventory

BondCliQ
Headlands Tech Global Markets
Neptune
Market Axess

MTS – BondsPro
Stifel
Tradeweb
Trumid

MiFID II

Approved Reporting Mechanism (ARM)

TRAX

UnaVista

Approved Publication Arrangement (APA)

TradeEcho

TRAX

Post-Trade FIX Allocation Brokers

Atisa Securities (Pty) Ltd
ABG Sundal Collier
ABN AMRO Bank N.V.
Auerbach Grayson
Banca Generali SpA
BofA Securities, Inc.
Barclays Capital Inc.
Bayerische Hypo- und Vereinsbank AG
BMO Capital Markets Corp
BNP Paribas Securities (Asia) Limited
BTIG, LLC
Canaccord Adams, Inc.
Canaccord Financial Ltd.
Cantor Fitzgerald & Company
CGS - CIMB Securities (Singapore) Pte Ltd
Charles Schwab & Company
Citigroup Global Markets, Inc.
CLSA Limited
Cowen & Company, LLC.
Credit Suisse Securities (USA) LLC
Daiwa Securities Co. Ltd.
Deutsche Bank AG
Exane SA
Fidelity Capital Markets
Goldman Sachs
HSBC Securities (USA) Inc.
Ichiyoshi Securities Co Ltd
ING Group

Instinet Group, LLC
Investec Bank (UK), Ltd.
ISI Group
ITG, Inc.
Jefferies International Limited
Jefferies & Company
Jones Trading Institutional Svcs LLC
JP Morgan Securities
Keefe, Bruyette & Woods, Inc.
Kela Securities (Pty) Ltd
Kepler Capital Markets
Liquidnet Inc
Loop Capital
Macquarie Capital Securities Ltd
Mizuho Securities
Morgan Stanley & Co. LLC
Nomura International PLC
Nomura Securities International, Inc.
Northern Trust Securities Incorporated
Okasan Securities Co., Ltd.
Oppenheimer & Co. Inc.
Pavilion Global Markets Ltd
Penserra Securities LLC
Pershing LLC
Peters and Co.
Pictet Overseas Inc
Piper Jaffray & Co (US)
Pollitt & Co

Information Classification *General

Raymond James Ltd
RBC Capital Markets
Renaissance Capital Limited
Robert W Baird & Co.
Sanford C. Bernstein & Co., LLC
SBI SECURITIES Co., Ltd.
SMBC Nikko Securities Inc.
Societe Generale
State Street Global Markets
Stifel, Nicolaus & Company, Inc.
Strategas Securities LLC
TD Ameritrade

TD Securities Inc.
TFS Derivatives
Tokai Tokyo Securities Japan
UBS Securities LLC
Wallach Beth Capital LLC
Weeden & Co. LP
Wells Fargo Securities, LLC
William Blair & Company

Post-Trade Systems

Charles River supplies standard file formats (flat files or XML) as well as a library of exports formats and these additional interfaces:

DTCC Deriv/SERV
FICC/Fixed Income Clearing Corporation (MBS Electronic Pool Notification)

FIX 4.2/4.4 allocations (TradeWeb, MarketAxess, FX venues, equity brokers)
ISO 15022
MarkitSERV
SWIFT – via Broadridge

Prime Brokers

Goldman Sachs
Morgan Stanley

UBS

Transaction Cost Analysis

Abel Noser
Barclays
BestX
IHS Markit

Morgan Stanley Analytics
UBS
Virtu ITG

Value Based Trading

Calastone Transaction Services – 34 countries

Transfer Agents (Fund Providers)

DST (55)
Northern Trust (52)
Capita (46)
RBC (37)
State Street (34)
BNY Mellon(32)
HSBC (31)
Self TA (26)

BBH (21)
Maitland (18)
Citibank (15)
DZ Private Bank (15)
BNP Paribas (13)
Fund Partner Solutions (12)
T Bailey (11)
JPM (10)

Information Classification *General

SEI (8)
European Fund Administration (6)
Maples (4)
Allianz Lux (3)

Valu-Trac (3)
FNZ (3)
Others (19)

Information Classification *General

View our Partner Page at: crd.com/partners

About Charles River Development, A State Street Company

Investment, wealth and alternative managers, asset owners and insurers in 30 countries rely on Charles River IMS to manage USD \$36 Trillion in assets. Together with State Street's middle and back office services, Charles River's cloud-deployed front office technology forms the foundation of State Street AlphaSM. Charles River helps automate and simplify the investment process across asset classes, from portfolio management and risk analytics through trading and post-trade settlement, with integrated compliance and managed data throughout. Charles River's partner ecosystem enables clients to access the data, analytics, application and liquidity providers that support their product and asset class mix. We serve clients globally with more than 1,200 employees in 11 regional offices. (As of Q4 2021)

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