

PROGRESS[®]

APAMA[®] CONNECTIVITY FOR CAPITAL MARKETS

With Progress[®] Apama[®], you have a broad range of packaged connectivity choices, as reflected in the ever-expanding list below. In addition, the Progress[®] Apama[®] Integrated Adapter Framework supports building new connections by the customer or Apama.¹ Apama users also get general infrastructure adapters, as well as plug-ins that are available for both Capital Markets and other applications.

Many of the adapters below leverage the Apama configurable adapter for Financial Information eXchange (FIX). The Apama FIX adapter can be configured for direct connectivity to any FIX order execution and/or pricing destination. Over 20 destination-specific FIX adapters, individually certified and supported, are also available. Apama can also serve as a FIX destination. FIX 4.0-4.4 are supported; custom fields are easily configured.

MARKET DATA

- > *ACTIV Financial*
- > *Bloomberg B-PIPE*
- > *Dow Jones Elementized News Feed*
- > *KOSPI (Korean Composite Stock Price Index)*
- > *Lime Brokerage (Citrius)*
- > *Nexa Tickstream*
- > *Reuters*
- > *Wombat*

DIRECT FOREIGN EXCHANGE MARKETS

- > *Currenex*
- > *EBS*
- > *eSpeed FX*
- > *FXall*
- > *FXCMPro*
- > *HotspotFX*
- > *Lava FX*
- > *Morgan Stanley FX*
- > *Reuters Dealing 3000*
- > *Rosenthal Collins FX*

DIRECT BANK/BROKER

- > *Bank of America*
- > *Barclays Capital*
- > *Citigroup*
- > *Credit Suisse*
- > *Deutsche Bank*
- > *Goldman Sachs*
- > *HSBC*
- > *ITG*
- > *Lime Brokerage*
- > *Morgan Stanley*
- > *Penson*
- > *UBS*

EQUITIES MARKETS

Market Data

- > Bovespa
- > Deutsche Boerse
- > Market data sources (see page 1)
- > Other direct connectivity²

Order Execution

- > Bovespa
- > Deutsche Boerse
- > Direct Bank/Broker Connectivity (see page 1)
- > EMS/OMS/FIX Gateways (see next column)
- > FIX 4.0 – 4.4
- > Quik
- > Other direct connectivity³

ANALYTICS

- > CQG
- > Intel Math Library (select functions)
- > MATLAB
- > Quantlib (select functions)
- > R (select functions)

TICK DATABASES

- > KX Systems kdb+
- > Vhayu/Reuters Tick Capture Engine

EMS/OMS/FIX GATEWAYS

- > Aegis Gateway (Athena Trader)
- > Cameron
- > CQG
- > FlexTrade
- > Fidessa
- > GL Trade
- > IRESS
- > Nexa Fastpath
- > Object Trading
- > Trading Technologies (TT)
- > Ulbridge (Odyssey)

INFRASTRUCTURE ADAPTERS

- > JDBC
- > JMS
- > ODBC
- > Progress® Sonic®
- > TIBCO Talarian
- > TIBCO Rendezvous

DIRECT FUTURES & OPTIONS MARKETS

- > BM&F
- > Chicago Mercantile Exchange (CME/NYMEX)
- > ELX
- > Eurex
- > Euronext.liffe
- > Intercontinental Exchange (ICE)

DIRECT FIXED INCOME MARKETS

- > eSpeed
- > ICAP Brokertec

¹ If a source or destination is not shown, please inquire with your Apama representative as to its status, as new adapters are always being built and can be built as required.

² Direct connectivity can be provided as an alternative to the market data sources listed.

³ The Apama FIX adapter can be configured for direct connectivity to any FIX destination. Over 20 destination-specific FIX adapters, individually certified and supported, are also available.

PROGRESS SOFTWARE

Progress Software Corporation (NASDAQ: PRGS) is a global software company that enables enterprises to be operationally responsive to changing conditions and customer interactions as they occur. Our goal is to enable our customers to capitalize on new opportunities, drive greater efficiencies, and reduce risk. Progress offers a comprehensive portfolio of best-in-class infrastructure software spanning event-driven visibility and real-time response, open integration, data access and integration, and application development and management—all supporting on-premises and SaaS/cloud deployments. Progress maximizes the benefits of operational responsiveness while minimizing IT complexity and total cost of ownership.

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