QUANTITATIVE TRADING FOR PROFESSIONALS

Available on-premise or in the cloud, AlgoTrader is an institutional-grade algorithmic trading software solution for quantitative research, trading strategy development, strategy back-testing and automated trading for both traditional securities and crypto assets. AlgoTrader provides everything a quantitative trading firm requires to run its research and trading operations. It is the very first and most advanced algorithmic trading software product to allow automated trading of Bitcoin and other crypto assets. Based in Zurich, New York, and Singapore, AlgoTrader operates globally.

BENEFITS

**AUTOMATED**
Any quantitative trading strategy can be fully automated.

**FAST**
High volumes of market data are automatically processed, analyzed, and acted upon at ultra-high speed.

**CUSTOMIZABLE**
Open-source architecture can be customized for user-specific requirements.

**FULLY SUPPORTED**
Comprehensive support is available for installation and customization. Onsite and remote training and consulting are available.

**RELIABLE**
Built on the most robust architecture and state-of-the-art technology.

**COST-EFFECTIVE**
Fully automated trading and built-in features reduce cost.

**MULTIFACETED**
The ability to build quantitative strategies for both traditional securities and crypto assets.

FEATURES

**MARKET DATA, BROKER, EXCHANGE AND NETWORK ADAPTERS.**
- Built-in live market data and historical data adapters (e.g., Bloomberg, Quandl and Interactive Brokers).
- Wide range of network and broker adapters (TT, EzeSoft, Interactive Brokers, JP Morgan, UBS, LMAX).

**MARKETS AND INSTRUMENTS**
- Support for all markets and instruments (e.g. Global Equities, FX, Cryptos, Futures, Options, ETFs).
- Synthetic instruments and custom derivative spreads.

**CRYPTO ASSET TRADING**
- Adapters to crypto asset exchanges: Bitfinex, Bitstamp, Binance, bitFlyer, BitMEX and Coinbase Pro & Prime.
- Support for thousands of cryptocurrencies including Bitcoin, Ethereum, Ripple, Litecoin, EOS, Stellar, and more. Full support for crypto market making, arbitrage, spreads and smart order routing.

**ORDER MANAGEMENT**
- Flexible order management with complete coverage of all order types and execution algorithms (VWAP, TWAP, etc.).
- Smart Order Routing; Custom execution algorithms.
- Multi-broker and multi-account capable.

**STRATEGY DEVELOPMENT**
- Quickly develop strategies with the wizard, then back-test and paper trade strategies.
- Back-test strategies using historical data and our configurable exchange simulator.
- Write trading strategies in any language (e.g., Java, R, Python & C#).
- Embedded methods, classes, libraries and time series database.

**USER INTERFACE AND REPORTS**
- Modern browser based frontend using latest web technology (HTML5 based front-end).
- Wide range of custom management and reporting features.

**PERFORMANCE AND STABILITY**
- High availability and performance.
- Built on multi-threaded, memory-efficient, highly concurrent, distributed architecture.

**INSTALLATION AND DEPLOYMENT**
- Independent platform which can be installed anywhere inside your firewall (both cloud-based and on premise installation).
- Installation with a single command using Docker.

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