QUANTCONNECT

Open-Source Financial Technology, Paving the Future of Trading

Power your quantitative research with a cutting-edge, unified API for research, backtesting, and live trading on the world's leading algorithmic trading platform.

Leverage Our Architecture

Finding alpha is no easy task. As the universe of data expands rapidly and the pace of technological development accelerates, you need every advantage the market has to offer.

You need a complete suite of cloud-based tools so you can research investment approaches, assess strategies with backtesting, then rapidly deploy to maximize returns.

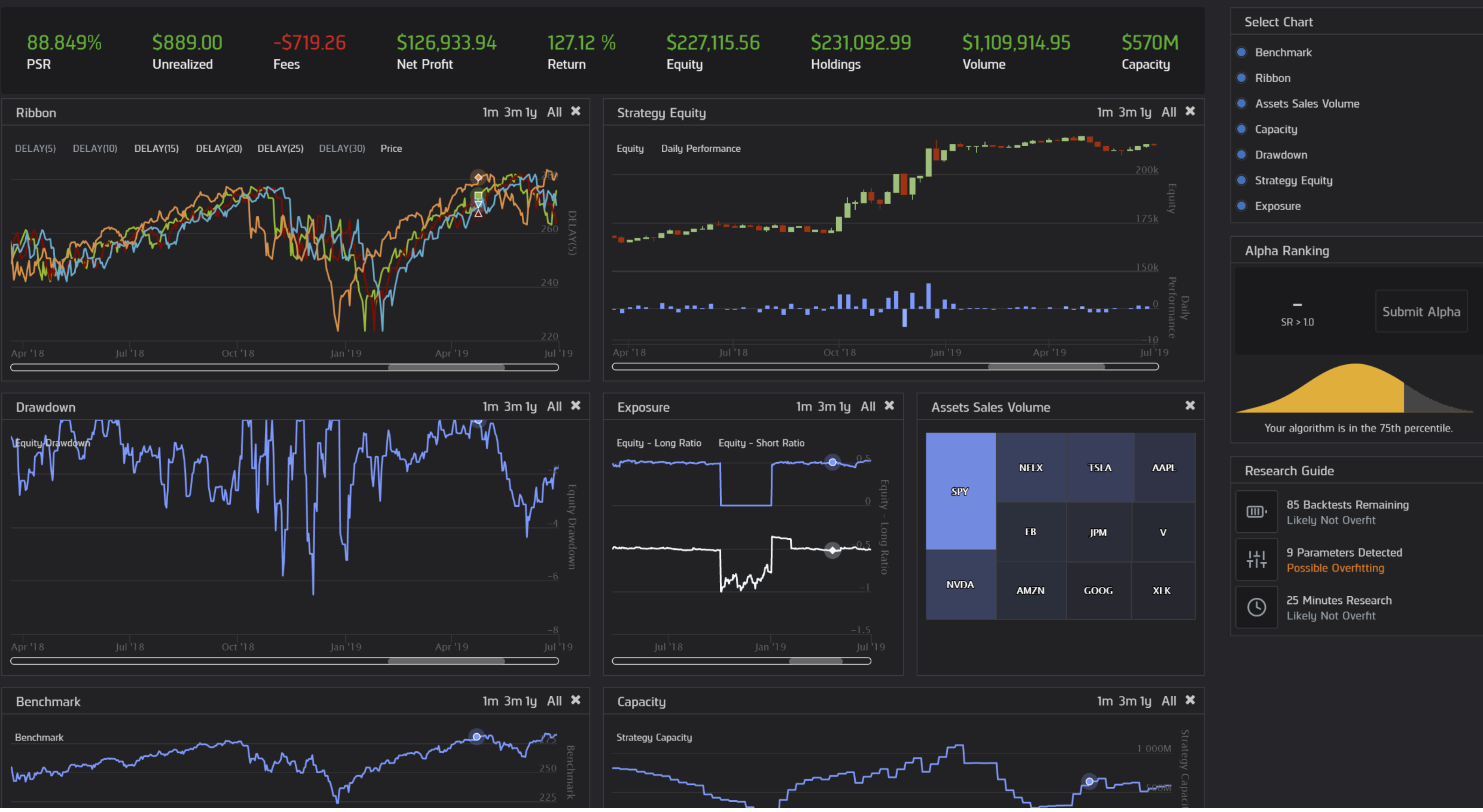
QuantConnect offers the powerful financial tools you need for every stage of your quant journey.

Cloud Research

Our cloud-based research terminals attach to terabytes of financial, fundamental, and alternative data, preformatted and ready to use.

Alternative data is linked to the underlying securities, tagged with the FIGI, CUSIP, and ISIN to facilitate building strategies.

Access popular machine learning and feature selection libraries to quantify factor importance. Install custom packages on request.

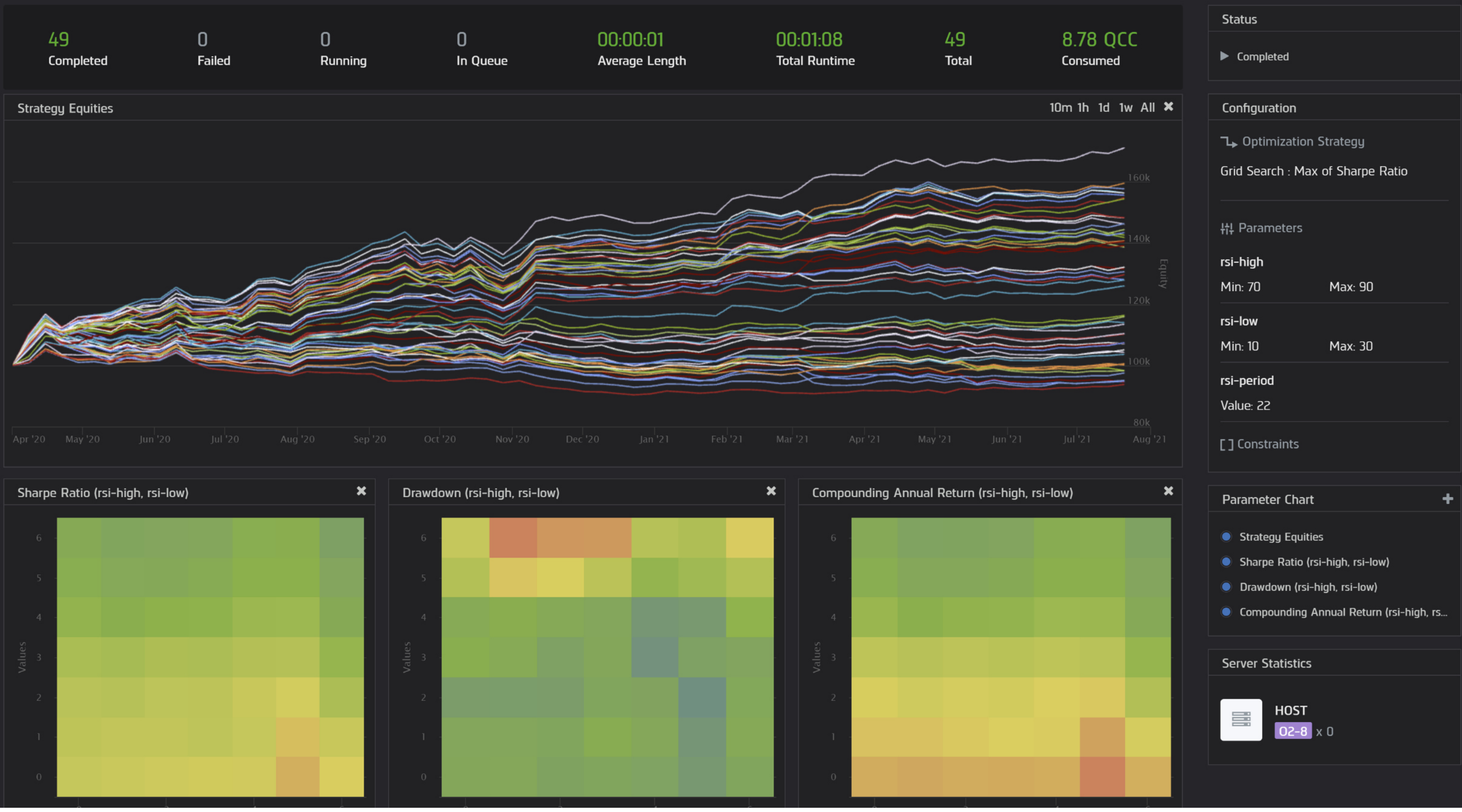


Backtesting

With minimal-to-no code changes, move from research to point-in-time, fee, slippage, and spread-adjusted backtesting on lightning-fast cloud cores. Perform multi-asset backtesting on portfolios comprised of thousands of securities with realistic margin-modeling.

Import custom and alternative-data, linked to underlying securities, for realistically modeling live-trading portfolios and avoiding common pitfalls like look-ahead bias.

Our technology has been battle-tested with thousands of unit and regression tests, and more than 15,000 backtests are performed on QuantConnect daily.

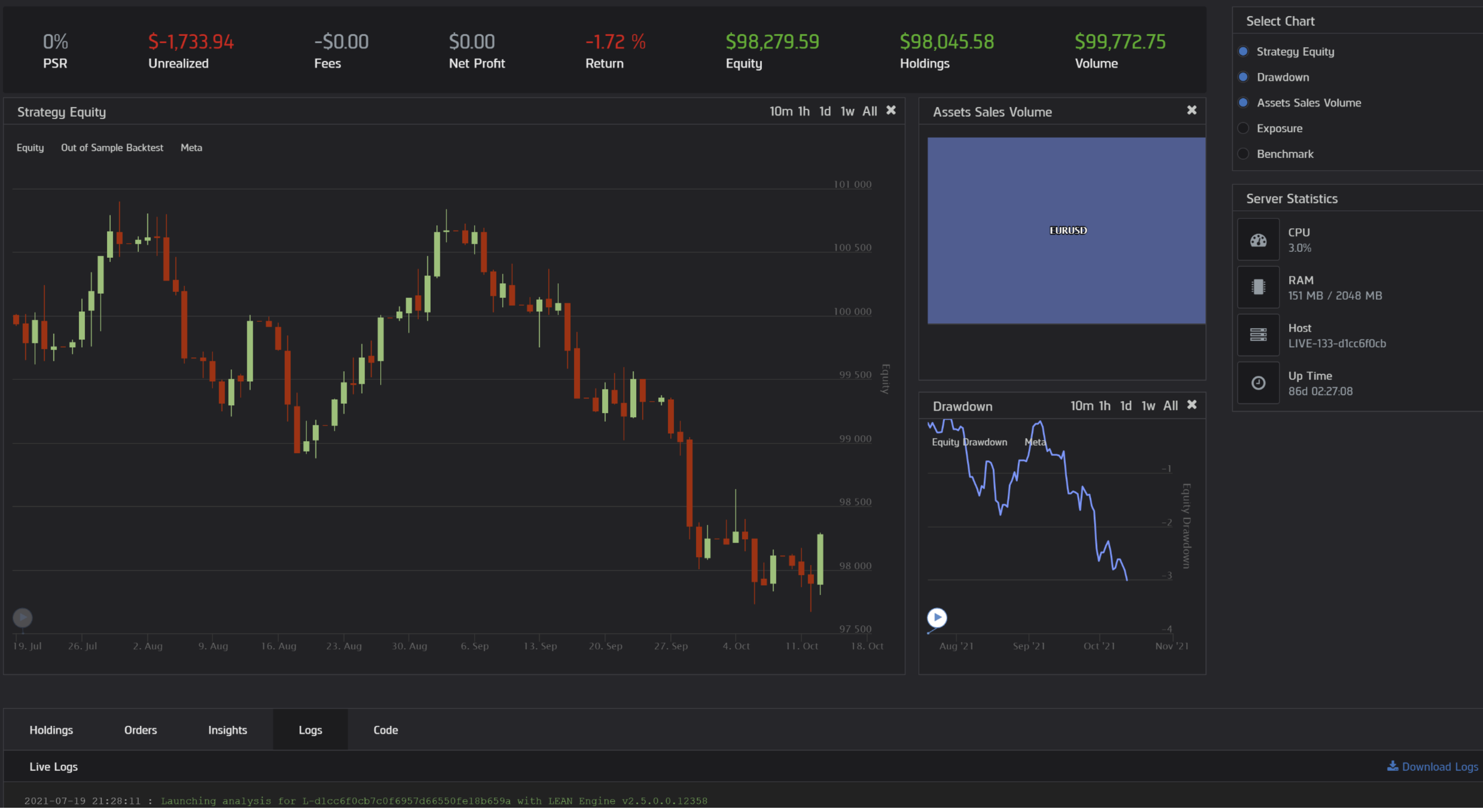


Parameter Optimization

Our parameter sensitivity testing allows you to to run thousands of full backtests on our scalable cloud compute, completing weeks of work in minutes.

Visualize all the iterations of parameters on heatmaps to quickly understand your strategy's sensitivity to parameters for robust out-of-sample trading.

Explore further by opening each result and seeing its individual trades and backtest logs to completely understand the source of your alpha.

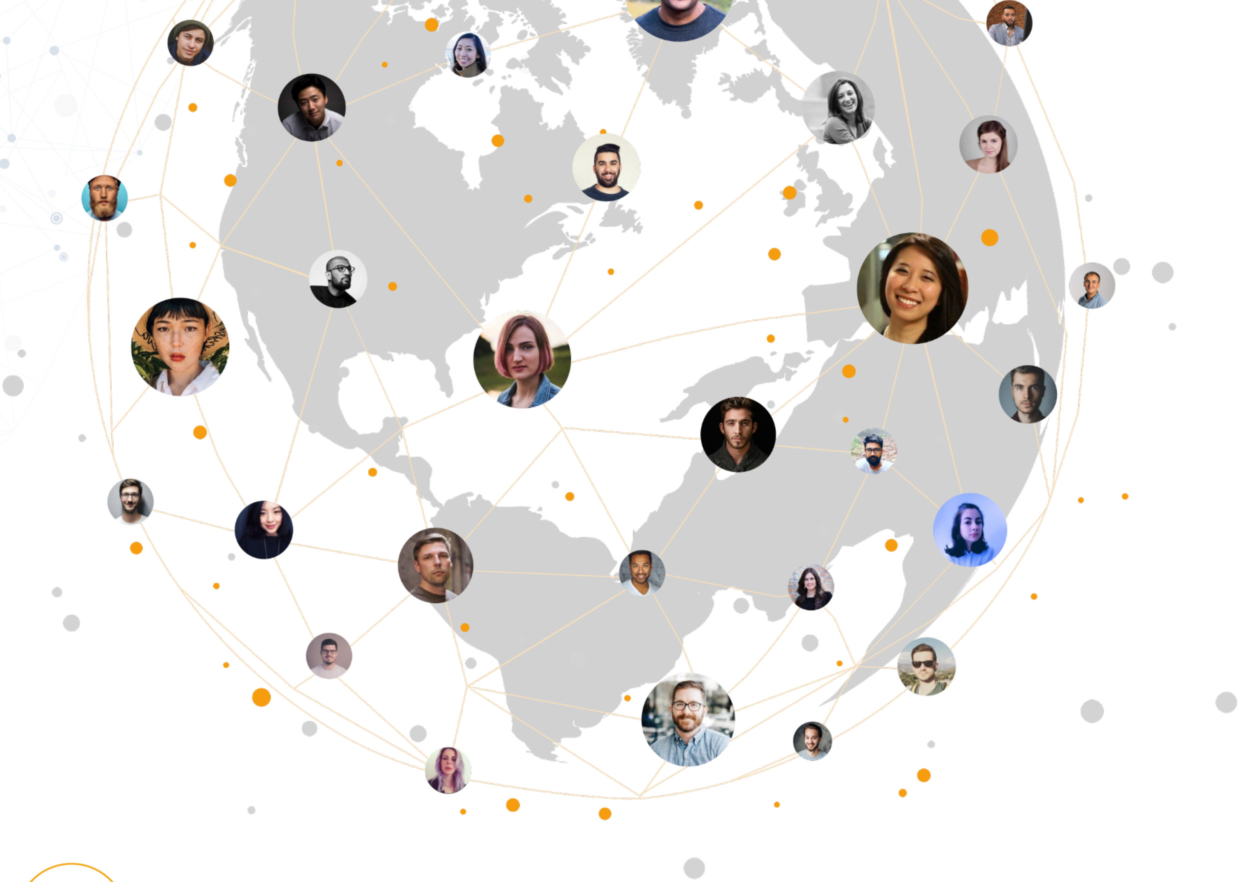


Institutional-Grade Live Trading

Since 2012, QuantConnect has deployed more than 125,000 live strategies to a managed, co-located live-trading environment. Our platform processes more than $1B in notional volume per month.

Execute trades directly through our 12 integrations or to EMSX Net’s 1,300 liquidity providers.

Our live feeds include US SIP, CME, FX, and major crypto exchanges. Other live feed options are available upon request.



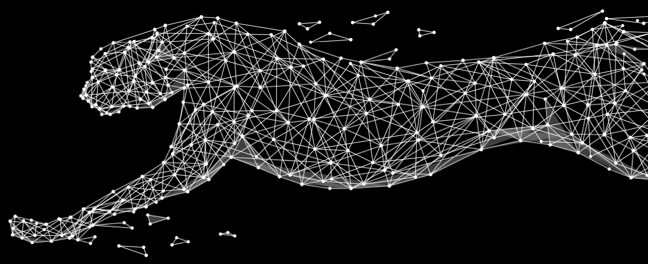
Fueled by Collective Genius

QuantConnect has a global community of 175,000 quants, researchers, data scientists, and engineers. This rich ecosystem provides a valuable network of talent for your organization.

Every month, 50,000 of the brightest quantitative minds use our platform to generate research. And our community is engaged; on an average day, QuantConnect users create 2,000 new algorithms and write 3.4M lines of code.

OPEN SOURCE: LEAN

Open-Source Algorithmic Trading Engine



LEAN is the algorithmic trading engine at the heart of QuantConnect. More than 150 engineers contributed to the development of this lightning-fast, open-source platform. It provides modeling that surpasses the best financial institutions in the world. LEAN can be run on-premise, or in the cloud. Open-source provides you the freedom to modify it to suit your needs.

LEAN CLI

Local Development, Cloud Backtesting

Code locally in your favorite development environment then synchronize your projects to the cloud to work on the go with QuantConnect's IDE.

```
lean backtest "My Project" --debug
lean cloud backtest "My Project"
lean cloud live "My Project"
```

Installation: pip install lean

QUANTCONNECT

QuantConnect is leading the world in algorithmic trading technology, with a radically open-source approach, paving the future of trading.

Contact us to discuss the possibilities, and let us show you how our robust, flexible platform can transform your trading.

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