



An Introduction to the STAC Benchmark Council

The STAC Benchmark™ Council consists of the individuals who set the direction for high-performance technology in finance. Leaders from over 350 financial institutions and more than 50 vendor organizations (listed on the following pages) contribute to the Council's two primary missions:

1. To develop and promote the use of standard technology benchmarks based on workloads strategically important to financial organizations (typically analyzing the entire solution "stack").
2. To facilitate substantive dialog among end-user organizations and vendors about important engineering challenges and the latest solutions for them.



Benchmarking: Since 2007, the Council has taken on a range of big-data, big-compute, and low-latency workloads. Users and vendors collaborate to develop STAC Benchmarks, but only the user firms can vote. This keeps benchmarks focused on real business needs. Benchmark tools are developed in a community-source model, with a fee for access to the community. STAC uses these standards to provide independent STAC Reports™ on the latest solution stacks. Some reports are free to the public, while others are reserved for community members. STAC Benchmarks significantly accelerate technology selection at user firms while shortening the sales cycle for vendors.

Dialog: In addition to periodic special interest group meetings, the Council has STAC Summits twice per year in New York, London, and Chicago to discuss the latest technical solutions for the business challenges facing financial firms. STAC Summits cover much more than benchmarks and attract the highest caliber attendees in the industry.

For more information, see www.STACresearch.com or contact council@STACresearch.com.



STAC Benchmark Council Members

Financial Organizations and Application Vendors

- | | | | | |
|--------------------------------------|----------------------------------|-------------------------------|---|----------------------------------|
| • 303 Capital | • Arctic Lake | • BLB Commodities Limited | • Celera Group | • Credit Agricole |
| • A.R.T. Advisors LLC | • Aristos Capital LLC | • Blockseed Investments | • Charles Schwab | • Credit Suisse |
| • ABN AMRO Clearing | • Aspect Capital | • Blue Trading Systems | • Chicago Board Options/National Stock Exchange | • Cutler Group, LP |
| • Aequitas | • Athena Capital Research | • Bluefin Trading | • Chicago Trading Company | • Daiwa Institute of Research |
| • Aether Analytics, LLC | • Atlas ATS Inc. | • BNP Paribas | • Chi-X Australia | • Danske Bank Markets |
| • AF Capital | • Atreyu Group LLC | • Bluefire Capital | • Chopper Trading | • Data Capital Management |
| • AHL | • Atto Capital LLC | • BMO Capital Markets | • Citadel Investment Group | • DAW Trading |
| • AIG | • Australian Securities Exchange | • BNY Convergenx | • Citi | • DE Shaw |
| • AKO Capital | • AWSF Capital Group | • BNY Mellon | • Citic Capital Track Solutions | • Dearborn Capital |
| • Akuna Capital LLC | • AXA | • Boerboel, LLC | • CityIndex Ltd | • Delwar Capital Management |
| • Alegro Global Ltd | • AX Trading, LLC | • Bolsas y Mercados Españoles | • Clayland Willow PCC | • Deutsche Bank |
| • Alfa Capital Markets | • Axiom Markets | • Boston Options Exchange | • ClearBridge Investments | • Deutsche Boerse |
| • Algo Depth | • Balyasny Asset Management | • BP Oil | • Clover Light, LLC | • Domeyard, LP |
| • Algo Engineering | • Bank of America/Merrill Lynch | • Bridgewater Associates, LP | • CLSA (UK) | • Dosadi Capital |
| • AlgoPartners LLC | • Bank of Russia | • Broad Reach Management | • CMC Markets | • DRW Trading |
| • Allstate Insurance Company | • Bank of Tokyo-Mitsubishi UFJ | • BTG Pactual | • CME Group | • DV Trading |
| • Allston Trading | • Barclays | • BTIG | • CMT Asia | • Eagle Market Makers |
| • Ally Financial | • BATS Exchange | • Bundalini | • CNSX Markets Inc. | • Eagle Seven |
| • Alpha Trading Labs | • BAXTER-FX | • Buttonwood Group Trading | • Coatbridge Capital | • Eagle Trading Systems R&D LTD. |
| • AlphaWorks Capital Management | • BCSGM | • Caherciveen Partners | • Cognitive Capital LLC | • Echotrade |
| • American Trust Investment Services | • Belvedere Trading, LLC | • Cantab Capital Partners | • Commerzbank AG | • Eclipse Options (HK) Ltd |
| • Apache Capital Management | • BestX | • Cantor Fitzgerald | • Computer Voice Systems | • Edelweiss Financial Services |
| • Apollo Management Holdings | • BGC Partners | • Capital Fund Management | • Cowen ATM | • EdgeCI |
| • APT Portfolio | • BIDS Trading L.P. | • Capital One Financial | • CQG, Inc | |
| • Arbillon Capital AG | • Bishop Capital Management | • Capstone Holdings Group | • Crabel Capital Management | |
| • Archelon Group | • Bittrex Inc. | • Carax | • Craig Drill Capital | |
| | | • causaLens | | |
| | | • Cayton | | |

Council members do not necessarily endorse or approve of any of STAC's products, specifications or statements. All company names and logos are trademarks or registered trademarks of their respective owners.

Copyright © 2018 Securities Technology Analysis Center LLC.



List as of November 2018. For an up-to-date list, see www.STACresearch.com/members

STAC Benchmark Council Members

Financial Organizations and Application Vendors

- | | | | | |
|--------------------------------|----------------------------------|-------------------------------------|----------------------------|---|
| • Edgewater Markets LLC | • Group | • IMC Financial Markets | • Lime Brokerage, LLC | • MWD Trading |
| • EIS Global | • Gloucester Research Ltd | • Indy Research Labs | • Liquid Capital Group | • Myra Trading LLC |
| • Enova Financial | • Goldenberg Hehmeyer Trading Co | • ING | • Liquidnet | • NASDAQ OMX |
| • Epoch Capital Pty Ltd | • Goldman Sachs | • Intercontinental Exchange (ICE) | • Lloyds Banking Group | • National Commodity & Derivatives Exchange |
| • E*Trade Financial | • Goodbody Stockbrokers | • International Securities Exchange | • LMAX | • National Stock Exchange of India |
| • ETX Capital | • Graviton Research Capital LLP | • Invesco | • London Metals Exchange | • Nex Markets |
| • Eurex Frankfurt AG | • Greenlight Trading | • Ion Asset Architecture UK | • London Stock Exchange | • Nobilis Capital |
| • Exane | • Group One Trading | • ION Group | • Lord, Abbett & Co. LLC | • Noble Capital International |
| • Fairtree Capital | • GSA Capital | • Istra | • Lotus Capital Management | • Nomura |
| • FastMatch | • GX2 Systems, LLC | • ITG/DE Trading Corporation | • Luo Capital Advisors | • Northern Trust |
| • FFastFill | • Hard Eight Futures LLC | • Integral Derivatives | • Lydia Trading | • Nuovi Investimenti SIM |
| • Fidelity Investments | • Hardcastle Trading | • JNK Securities | • Macquarie Group Limited | • NYC Finance |
| • Financial Conduct Authority | • Hartree Partners | • JP Morgan Chase | • Mako Europe Ltd | • NYSE Euronext |
| • Financial Market Engineering | • HC Tech | • Jump Trading | • Man Group | • NYTrade |
| • FIS Global | • Headlands Technologies | • Kapital Trading | • Mana Partners LLC | • Old Mission Capital |
| • Flow Traders US | • Hekia Capital LLC | • KCG Holdings | • Marquette Partners | • OMERS |
| • Forex Capital Markets (FXCM) | • High Speed Analytics | • Ketchum Trading, L.L.C. | • Marshall Wace LLP | • OneChicago |
| • Fox River Execution | • HSBC | • King Street | • Maven Securities Limited | • OpenLink Financial |
| • FTSE Group | • Huatai Great Wall Futures Co. | • Kinkopf Capital Management | • MB Trading LLC | • OPG Securities |
| • Gain Capital Group, LLC | • Hudson River Trading | • Kohl Trading | • Mexican Stock Exchange | • Optimum Complexity |
| • Galaxy Digital | • Hull Investments | • Komico, LLC | • MIAX Options | • Options Clearing Corporation |
| • Gelber Group | • Hutchin Hill Capital, LP | • Kyte Group | • Millennium Partners | • OptionsCity |
| • Gemini | • ICAP Services North America | • Lane Financial LLC | • Milton Labs LLC | • Optiver B.V. |
| • Geneva Trading | • IEX Group | • Laurion Capital Management | • Mizuho Securities | • Ortus Capital Management |
| • GFI Group | • IG Index | • Liger Investments Limited | • Moody's Analytics | |
| • Global Markets Exchange | | | • Morgan Stanley | |
| | | | • MSCI | |

Council members do not necessarily endorse or approve of any of STAC's products, specifications or statements. All company names and logos are trademarks or registered trademarks of their respective owners.

Copyright © 2018 Securities Technology Analysis Center LLC.



List as of November 2018. For an up-to-date list, see www.STACresearch.com/members

STAC Benchmark Council Members

Financial Organizations and Application Vendors

- | | | | | |
|---|--|--|---|--|
| <ul style="list-style-type: none"> • Panther Energy Trading LLC • PDT Partners • Peak6 Investments LP • Pershing LLC • Peta Trading • Phi Strategies LLC • Pineau Investment Group • Pinnacle View Capital • Platform Capital LLC • PNT Financial • Point72 • Port 22, LLC • Prime Analytics, LLC • Prudential • Puppetmaster Trading • Qbitia Solutions, S.L. • QCP Trading • QMS Capital Management • QQFund.com • QTrade Capital • Quantbot Technologies, LP • QuantConnect Corporation • Quantlab Financial LLC • QuantZ • Qube Research & Technologies • Questrade • Quiet Light Securities LLC | <ul style="list-style-type: none"> • Rackson Asset Management • Radix Trading • RBC Capital Markets • Realtick LLC • Richfox Capital • Rival Systems • RiverCross • ROFEX • Ronin Capital • Rotella Capital Management • Royal Bank of Scotland • RSJ Securities a.s. • Samsung Futures • Saxo Bank • Schneider Trading Associates Ltd • Schonfeld Group • SCT Capital Management • Sea Otter Securities • Securities and Exchange Commission • Seven Eight Capital, LLC • Simplex Investments • Smarkets • Societe Generale • Source Capital AG • Spire Europe Ltd. • Spot Trading, LLC | <ul style="list-style-type: none"> • Squarepoint Capital • Squawker • SSW-Trading • Standard Bank • Standard Chartered • Stonebridge Capital Markets • Sumo Capital • Summit Securities Group LLC • Sun Trading LLC • Sunningdale Capital LLP • SurfaceExchange • Susquehanna International Group • Swedbank • T0 • TD Ameritrade • Tensor Technologies AG • Tenth Sense Group Pty Ltd • Tenzan Capital • TeraExchange • Teza Technologies LLC • ThinkEquity • Tibra Capital • TMX Group • Toji Trading Group • Token Capital Management Ltd • Tolo Technologies | <ul style="list-style-type: none"> • Topaz Development • Tower Research Capital • Trade Ideas LLC • Tradebot Systems, Inc. • TradeForecaster LLC • TradeLink LLC • TradeNext Limited • TradeStation Technologies • Tradeweb LLC • Tradeworx • Trading Machines • Trading Technologies • Tradition North America • TransMarket Infrastructure Holdings • TransUnion • Triumph Asset Management • True Trade Markets • Tudor Investment Corporation • Tullett Prebon • Twitch LLC • Two Sigma Investments • Tyler Capital • UBP • UBS • UniCredit • United Futures Trading Co | <ul style="list-style-type: none"> • Valo Research and Trading • Vatic Labs • Vector Trading • Victor Securities LLC • Vigilant Global • Virtu Financial • Volant Trading • Walleye Trading Advisors • Warsaw Stock Exchange • Wellington Management • Wells Fargo • Westpac Banking Corporation • WH Trading • Wholesale Markets Brokers' Association • Wiklund Trading, LLC • Winton Capital Management • Wolverine Trading • World Financial Desk • WorldQuant • XHedge LLC • Xpert Financial Group • XR Trading • XTX Markets Limited • XY Investments |
|---|--|--|---|--|

Council members do not necessarily endorse or approve of any of STAC's products, specifications or statements. All company names and logos are trademarks or registered trademarks of their respective owners.

Copyright © 2018 Securities Technology Analysis Center LLC.



List as of November 2018. For an up-to-date list, see www.STACresearch.com/members

STAC Benchmark Council Members

Vendors



Council members do not necessarily endorse or approve of any of STAC's products, specifications or statements. All company names and logos are trademarks or registered trademarks of their respective owners.

Copyright © 2018 Securities Technology Analysis Center LLC.

STAC
SECURITIES TECHNOLOGY ANALYSIS CENTER

List as of November 2018. For an up-to-date list, see www.STACresearch.com/members