



BROCHURE

THE PLATFORM FOR PORTFOLIO MANAGEMENT AND RISK MANAGEMENT

FIS Cross-Asset Trading and Risk Platform -
Buy Side

Switch on high-performance portfolio, order and risk management



What if your cross-asset trading, order management, portfolio management and risk management solutions could withstand whatever demands the market brings with one platform?

FIS® Cross-Asset Trading and Risk Platform (formerly Front Arena) is designed to meet your mission-critical needs. As the premier provider of high-performance cross-asset trading and risk technology solutions, we deliver an adaptable, flexible, award-winning, advanced front-office platform for streamlined workflows, order and portfolio management, and risk management, with connections to global markets, managed services options and seamless integrations – regardless of your asset class or strategy.

In uncertain times, you need more than just performance. You can rely on our established business continuity planning and remote access without any fear of disruption or performance issues. And because we support secure remote access for both our team and yours, we can deliver best practice levels of responsiveness while connecting your team to work from home.

Cross-Asset Trading and Risk Platform supports order management, portfolio management, operational management and risk management for all traded products; liquid and illiquid, OTC and exchange traded, standardized and structured – all in real time.

A unique user interface puts finely tuned tools at the fingertips of your portfolio managers, risk managers and operations staff. These include workflow controls, pricing, P&L, NAV, DV01's (dollar value of 1 basis point) and greeks, as well as real-time position alerts, and two- or three-dimensional scenarios and what-if analyses. This enables our clients to develop, model and execute strategies in real time.

Clients can create new analytics and reports as required and customize the solution with their own workflows and methodologies within very short timeframes.



Fully Hosted and Managed Solution

Access from anywhere – trading in the cloud creates opportunity

With a common transparent order management workflow across the organization, efficiency is improved by tying order generation, limits management, order placement and trade capture and allocation together. Automation helps reduce transaction costs, and together with a clear view of execution options, supports superior order execution.



Scalable infrastructure and automation simplify the offering with compliant digital asset services for FIS clients that powers the full trade life cycle.

Distributed Portfolio	DispCurr	Price	Pos	Book NAV	Total Cash	TheorPrc	Crypto Delta	Vol
st_Client Overview	USD			-90,234,303	-660,753,064			
Cash	USD			-660,753,064	-660,753,064			
Asset	USD			570,518,761	-660,753,064			
Accounts	USD							
Cash	USD				14,908,312			
USD	USD	1.00			15,000,000	1.00		
USDOT/USD	USD	1.00			-91,688	1.00		
Crypto	USD			570,979,942	-674,244,100			
ADA - eToro	USD	0.29	100,000	28,698	-41,250	0.29	100,000	
BTC - Coinbase	USD	17,330.53	6,000	103,983,182	-122,810,000	17,007.39	6,000	
BTC - eToro	USD	17,007.39	10,000	170,073,900	-203,850,000	17,007.39	10,000	
BTC - Kraken	USD	17,228.49	8,000	137,827,889	-163,400,000	17,007.39	8,000	
ETH - Coinbase	USD	1,226.05	70,000	85,823,723	-105,050,000	1,211.52	70,000	
ETH - Kraken	USD	1,221.21	50,000	61,060,356	-68,600,000	1,211.52	50,000	
LTC - Coinbase	USD	70.04	20,000	1,400,842	-1,420,000	69.28	20,000	
LTC - Kraken	USD	69.56	155,000	10,781,354	-9,072,850	69.28	155,000	
Options	USD			-236,077	230,000		-86	
BTC - BITCOIN23FEB18500	USD		-1,000	-236,077	55,000	236.08	-86	
BTC - BITCOIN23FEB28500	USD		500		-250,000	#		
Futures	USD			-221,250	-1,608,750		500	
BTC - BITCOIN22DEC	USD	16,940.00	100	-221,250	-1,608,750	16,940.00	500	
Perpetuals	USD			-3,855	-38,526		10	
Bitcoin - Perpetual	USD	17,007.39	10	-3,855	-38,526	17,011.88	10	

- Flag to indicate digital asset type
- Used cryptocurrencies and tokenized bonds
- New crypto deal entries
- Support for derivatives on digital assets using standard cross-asset trading and risk functionality

Comprehensive Asset Class Coverage

The platform manages a comprehensive range of instruments designed to provide asset managers and hedge funds with the greatest flexibility, supporting all types of investment strategy – from standard to complex hedging. Ranging from equity hedge based, through event driven, macro and relative value to multi-strategy, solution capabilities include:

- Commodities
- Credit derivatives
- Digital assets and cryptocurrencies
- Equities
- Equity derivatives
- Fixed Income
- FX
- FX options
- Interest rate derivatives
- Money markets

FIS has also teamed with Web3 and digital asset firms to remove the barriers to wide-scale digital asset and crypto adoption, by providing buy-and sell-side institutions with enterprise-grade, decentralized finance (DeFi) digital asset investing and wallet technology.





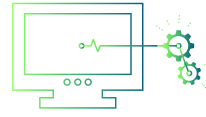
Complete operations and lifecycle processing support

Integrates front office, middle office and operations with strong workflow management.



Precise, real-time pricing and hedging

Real-time tools provide immediate pricing, simulation and hedging to enable users to react dynamically to market conditions. Additionally, user-friendly pricing tools allow manipulation of yield curves, volatility surfaces and more.



Spreadsheet integration

Cross-Asset Trading and Risk Platform features deep, real-time inbound and outbound spreadsheet integration.



Advanced analysis and trading strategies

Facilitates the capture of new trading strategies, including digital assets and crypto, using the ability to slice and dice positions, strategies and portfolio funds. Users can complete an unlimited number of advanced, portfolio-level what-if scenarios on return rates.



Key benefits to traders, portfolio managers and risk managers

Real time

Real-time market price feeds translate into instant generation of user-specified yield curves, spread curves and volatility surfaces from any benchmarks for real-time pricing.

Pricing

A broad range of pricing models are available for the pricing of derivatives, all based on parameters such as yield curve and volatility calibrations.

Order management and generation

Orders are generated based on manual or automated, based on portfolio analytics.

Trade capture

Trade capture with allocation and matching.

Position management

View consolidated position and risk across all asset classes and trading books in a multi-dimensional fashion.

P&L

View consolidated position and risk across all asset classes and strategies.

Drill down

Instantly drill down on positions from the highest levels of aggregation to individual trades and cash flows.

Asset coverage

A single solution capable of handling asset classes unifying P&L, exposures and risk enabling at-a-glance summaries and deep-dive classes specific analytics.

Structured products

Graphical builder for structured products and cash flow engineering to create custom instruments which can then be repeatedly traded.

What-if scenarios

Simulations and three-dimensional what-if scenarios on all pricing parameters within the system can be readily applied to any calculated values, from NAV to greeks to DV01.

Extensibility

Allows users to add new fields, instruments, calculations and columns.

Excel integration

Extensive spreadsheet integration for importing and exporting data and calculation values.

Connectivity

A broad range of venues is available out-of-the box to exchanges, execution venues, prime brokers and fund administrators.

Key benefits to middle offices

Segregation of duties

Complete segregation of duties providing clear partitioning where required.

P&L analysis

Perform detailed P&L analysis and net asset valuations across multiple time horizons.

Integration

FIX-enabled integration with prime brokers and fund administrators.

Risk management

Complete set of risk management functionalities and regulatory reporting tools utilizing protected 'official' data.

Limits

Real-time limit setting and monitoring at any level of the hierarchy with configurable breach notifications and actions.

Operations

Includes treasury, cash management and reconciliation functions.

Reporting

Multiple reporting capabilities including PDF, spreadsheet and web-based for regulators, investors, prime brokers, fund administrators and internal users.

Audit

Trade versioning and a full audit trail.

Hosted trading, portfolio and risk management

The capital markets industry continues to demand more from asset managers and hedge funds by imposing ever-leaner business models while increasing the regulatory burden. Technology solutions must be capable of keeping up with these changing business, investor and regulatory requirements in the face of intense competition for funds and downward pressure on fees.

To help our clients meet the challenges of today and in the future, our front-office platform is available as a cloud-hosted solution. Clients are looking to FIS to deliver solutions for the following:

- Creating a robust financial technology infrastructure that clearly demonstrates rigorous compliance and control to both investors and regulatory bodies
- Managing and lowering the total cost of ownership and the multiple systems associated with legacy infrastructure

To tackle these challenges, FIS has accelerated options for remote working and hosted solutions. You can now benefit from fast-track deployment leveraging established best practice with lower ongoing ownership costs.

CROSS-ASSET TRADING AND RISK PLATFORM

Position Keeping, P&L, Risk Operations, Integration, Technology

Portfolio Management System (PMS)

Real-time Prices

Administrator

Prime Broker/
Custodian

General Ledger (Portfolio Accounting)

Terms and Conditions (or Security Definitions)

Listed and OTC Transactions (or Security Definitions)

Benefits of a hosted option include an out-of-the box functionality for a pre-defined universe of instruments, including:

- Trade capture
- Lifecycle processing and maintenance
- Full P&L analysis in a flexible, dynamic user interface
- Risk management, including greeks and sensitivity analysis
- Position management and reporting
- Interfaces to prime brokers and administrators
- Fast implementation
- Full-service hosting, including networking, hardware, disaster recovery, availability and application management

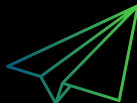
“One Solution to Bind them ALL”



FIS is the premier provider of high-performance cross-asset trading and risk solutions for the full trading lifecycle. You can trust our trading technology to be fast, efficient and adaptable – no matter where you are in the world – because it's backed by the world's leading fintech provider and our established best practices.

The pace of change is accelerating, so it's time to think bigger. Switch on to next-generation trading technology today to future-proof your front office for tomorrow.

We provide remote-work capabilities without the threat of disruptions or diminishment of our speed and responsiveness. What's more, whether you have parallel operations, single site or remote operations, our team can support your specific requirements.



For further information, contact us by email at getinfo@fisglobal.com.



About FIS

FIS is a leading provider of technology solutions for merchants, banks and capital markets firms globally. Our more than 55,000 people are dedicated to advancing the way the world pays, banks and invests by applying our scale, deep expertise and data-driven insights. We help our clients use technology in innovative ways to solve business-critical challenges and deliver superior experiences for their customers. Headquartered in Jacksonville, Florida, FIS is a Fortune 500® company and is a member of Standard & Poor's 500® Index.

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 www.fisglobal.com

 getinfo@fisglobal.com

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PAYS, BANKS AND INVESTS™**