FIS CLEARED DERIVATIVES SUITE

Manage the entire post-trade derivatives life cycle with a single platform
Replace high costs, slow processes and unacceptable risk with the next generation of cleared derivatives technology

As a derivatives clearing professional, you know that the past 10 years haven’t been easy. You’ve likely faced a host of operational challenges that have been compounded by aging legacy systems, the sluggishness of batch processing and all of the day-to-day headaches that come with running in-house operations. Try as you might, you’re left with costly inefficiencies and too much risk for comfort.

FIS® Cleared Derivatives Suite

If you weren’t wrestling every day with endless rounds of operational complications, just think what you could accomplish in terms of pursuing your strategic goals. That’s where the FIS Cleared Derivatives Suite comes in. This advanced post-trade solution not only replaces earlier versions of our CD technologies, but also expands their functional coverage (i.e., Clearvision middle-office/trade clearing, GMI, and UBIX back-office/books and records manager).

Our next generation offering, which supports both middle and back-office functions across exchange-traded and OTC cleared derivatives, comprises three main parts:

1. **core processing (middle and back-office functionality)**
2. **add-on modules that can be licensed individually and are dependent on the implementation of core processing**
3. **add-on components that can be licensed individually and implemented either as standalone or fully integrated with FIS Cleared Derivatives, heritage FIS Back Office (UBIX, GMI) or third-party systems.**

Whatever your challenges and priorities, with our modular solutions and services and efficient implementation process, you benefit from ultra-fast time to value.
Technology evolution
The Cleared Derivatives Suite leverages a new technology stack including:

- Open-source client-facing technology leveraging a large pool of resources
- API-based system with standard external APIs providing easy data access extracted for downstream processing
- Event-driven architecture enabling native real-time processing
- Insert-only logic enabling optimum traceability and transparency
- Containerization of the deployment for easier and quicker releases
- Multi-node architecture with scaled storage and retrieval ensuring high performance and reliability.

BPaaS is smart
Contributing to the costly inefficiencies you need to put behind you are the labor-intensive complexities of in-house processing. Let us offer relief with the power of FIS Derivatives BPaaS, a multi-tenanted operating model that covers 70-80% of all common non-differentiating clearing operations, technology and support. On a modular basis, you can pick and choose from trade clearing, margining, funding and control, to brokerage, technology, infrastructure and change management. As a forward-looking, cloud-based solution, Derivatives BPaaS is provided by highly experienced, dedicated staff under a service level agreement (SLA) tailored to meet your needs.

The power of managed services
The cloud-enabled Cleared Derivatives Suite can be hosted within FIS data centers, leveraging state of the art infrastructure capability and managed services expertise. Benefit from several tools to further automate and streamline the maintenance of the platform including:

- A testing tool used by FIS to automate testing (including client specifics) for their Managed Services clients.
- Continuous integration, providing a rationalized system and the ability to adapt more quickly to uncertain or last minute regulatory requirements and improving overall time to market.
- A workflow based dedicated module can also be leveraged for data cleansing and data conversion, reducing the cost and the risk of migration.
INCREASE YOUR ADVANTAGE

CHALLENGE

Length of time taken to process trades and batches with different systems

Risk of disruption during upgrade process

Cost of upgrading technology stacks and lack of budget

Risk of transferring to new suppliers and internal processes to onboard them

ADVANTAGE

One unified middle and back-office system reduces IT and operational processing times

Mitigate risk with middle and back-office functions across exchange-traded and OTC cleared derivatives which can be deployed in a phased and modular approach

Modularization allows you to leverage FIS Cleared Derivatives technology for specific functional areas earlier

One trusted provider of post-trade derivatives solutions allows you to access cross-asset capabilities and scale to grow on one platform
The FIS® Cleared Derivatives Suite is a strategic post-trade solution designed to support both middle- and back-office functions across exchange-traded and cleared OTC derivatives. Traditional core processing functionalities are extended and combined with add-on modules and components to offer you real-time data processing in one solution.

Whatever your challenges and priorities, with our modular solutions and services and ultra-efficient implementation process, you benefit from ultra-fast time to value.

**FIS CLEARED DERIVATIVES - CORE PROCESSING**
FIS Cleared Derivatives core processing consists of two modules.

<table>
<thead>
<tr>
<th>Module</th>
<th>Post-trade &amp; Pre-cleared Risk</th>
<th>Front-office Processing</th>
<th>Middle-office Processing</th>
<th>Back-office Processing</th>
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<tbody>
<tr>
<td>FIS CD TRADE CLEARING</td>
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<td>FIS CD BOOKS AND RECORD MANAGER</td>
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**FIS CLEARED DERIVATIVES - EMBEDDED MODULES**
Can be licenced individually and are dependent on the implementation of core processing functionalities.

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<tr>
<td>FIS CD TRADE_ALLOCATOR</td>
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<td>RISK AND LIMIT_MONITORING</td>
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<td>FIS CD BROKERAGE_MANAGER</td>
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**FIS CLEARED DERIVATIVES - STANDALONE COMPONENTS**
Can be licensed individually and implemented standalone or fully integrated with FIS Heritage, FIS Cleared Derivatives or third-party post-trade systems.

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<td>FIS CD RECONCILIATION_MANAGER</td>
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<td>FIS CD COLLATERAL_MANAGER</td>
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<td>FIS CD MARGIN ADVISOR</td>
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<td>FIS CD POSITION MANAGER</td>
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<td>TAX PROCESSING</td>
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**Benefits**

- **Lower TCO**
  Greater efficiency with over 15% increase in straight-through processing (STP) and 30% reduction in manual activities.

- **Reduced risk**
  New monitoring capabilities and integration with the wider FIS risk technology framework.

- **Increased efficiency**
  Stress-tested at over 10 million transactions on a single market and 15-20 times faster than heritage systems.

- **Faster response time**
  Successful processing of 3x to 10x volumes with no downtime.

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