

### UCS: The solution for securities clearing, settlement and depository

The uniqueness of the Universal Clearing and Settlement platform (UCS) lies in its state-of-the-art technology and ability to cater to a wide range of assets: from cash equities and bonds to financial and physical derivatives. UCS answers the challenges posed by today's markets: supporting more volume in less time; adapting quickly to new changes; providing transparency to the regulators.

The UCS is a truly integrated multi-asset, multi-market clearing, settlement and depository system based on the best technologies. Because its technical architecture is designed around open technologies and industry communication standards, as well as the latest innovations, **UCS is today's strategic investment for the future.**

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#### The Business Challenge

The consolidation of stock exchanges, emergence of new economies, tremendous growth of derivatives markets, and spread of algorithmic trading has put an enormous pressure on the post trade industry to increase efficiency and decrease prices.

UCS has been developed by leaders in the field of technology and finance, through close consultation with some of the biggest players in the clearing and settlement market.

#### Key Benefits

- **Reliability** - Compliant with IOSCO, Code of Conduct, G30 and ISSA recommendations.
- **Flexibility** - Built around a service oriented architecture, allowing reusability of functions in different business components.
- **Simplicity** - Easy-to-use graphic user interface (GUI) designed for a business manager's needs.
- **Transparency** - Real-time business activity monitoring.
- **Interoperability** - Easy integration of third party business component interfaces.

### Overview

The UCS is a truly integrated securities and derivatives system with clearing, settlement and depository functions. Each business service provides a logical unit of work that can be called on by any requestor service.

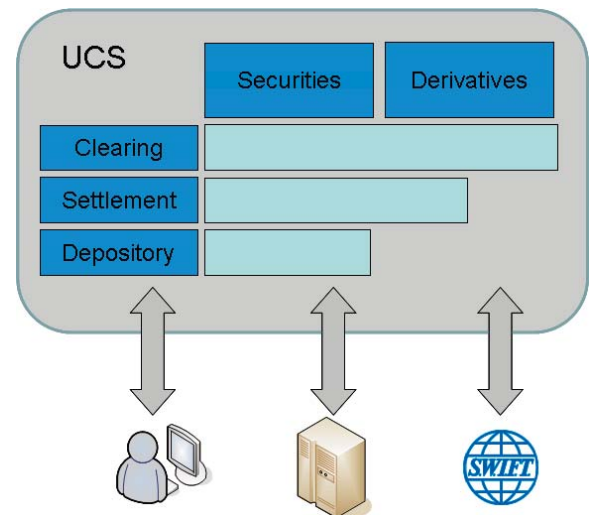
The system supports the following instruments:

- Stocks and physicals
- Bonds, bills and notes
- Exchange traded funds
- Warrants and rights
- Futures on: stocks, combos, indices, interest rates and commodities
- Options on: stocks, combos, indices, interest rates, commodities, futures and options

### Technology

The solution results from a constant drive towards the key goals of high performance/cost ratio with low latency.

UCS is incremental, with multiple dedicated and interoperable instances of the software coexisting inside the same infrastructure, and is optimized for speed on x86 processors.



UCS uses technology and communication standards adopted by most major financial institutions such as:

- Linux
- XML
- SWIFT (ISO 15022, ISO 20022)

### About AEMS

AEMS is the leading global provider of technology solutions for exchanges, clearing houses, banks, brokers, and intermediaries.

AEMS was created by two industry leaders – Atos Origin and Euronext, a subsidiary of NYSE Euronext – who combined their interests to focus on providing technology exclusively for financial markets.

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