

## Whitepaper Octopus

### Portfolio management

- complex portfolio structures with individual access rights
- full instrument type coverage with compliance enhancements
- detailed, extensible, self-updating instrument database
- pricing database with multiple data sources and fields for additional calculations
- complete historical position and transaction database
- portfolio can be viewed and calculated retrospectively for any given historical day
- extensible performance and valuation fields for each position
- cross-portfolio positions and transactions search, filtering and export functions
- database API for direct Excel connection
- extensive setup database
  - o broker/counterparties/issuers
  - o commissions schedule
  - o countries/currencies
  - o instrument types (hierarchical structure)
  - o markets
  - o rating map
  - o transaction types (hierarchical structure)

### Order management

- sophisticated trade blotter tool for fast and easy execution for large amounts of trades
- Excel import for individual Excel sheets and adjustable copy & paste functionality
- extensive, easy to adjust interfaces for brokers, custodians, and other counterparties
- interfaces for all major price feed providers
- entire universe coverage for instruments accompanied by pre-trade compliance
- order book with search, filter and export functionality for new, pending and executed trades
- individual portfolio views with direct trade blotter generation
- portfolio simulation tool with rebalancing and direct trade blotter generation
- fee management tool to automate or simplify post-processing of transactions

### Reconciliation

- sophisticated interface setup tool to cover any type of file-based data import
- FTP, Email and API data transfer with encryption support
- setup of unlimited reconciliation tasks between your data and any third-party partners
- automated reconciliation groups, flexible scheduler
- instrument name mapping database

### Valuation

- shadow accounting for complex fund structures e.g. master-feeder and hedging option
- ex-post compliance checks with a flexible and sophisticated rule catalogue with per fund setup
- setup of multiple currency share class structures and shares with the capability of currency hedging
- complex fee setup for automated fee calculation on fund or share class level
- configurable performance fee calculation with high watermark and hurdle rate support
- complete exportable NAV, compliance and subscription/redemption history
- extensible calculations for performance, VaR and other key figures
- automated data sources for portfolio value, subscription/redemptions, liabilities, hedges

### Reporting

- sophisticated reporting engine based on the open source software Jasper Reports
- easy to adjust reporting templates for KIID, Factsheet, NAV, Portfolio and annual reports
- extensive and highly customizable reports adjustable to any corporate identity
- report generation and email distribution with batch processing and scheduler control