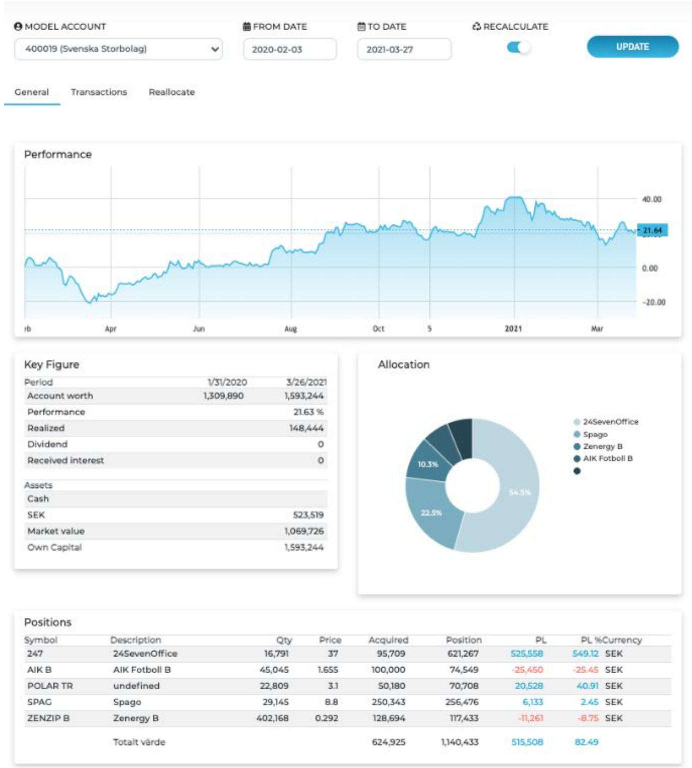


Wealth Management

Allocator & Analyzer

Improve return on investment with in depth analysis and management of all your customers portfolios to support your advice

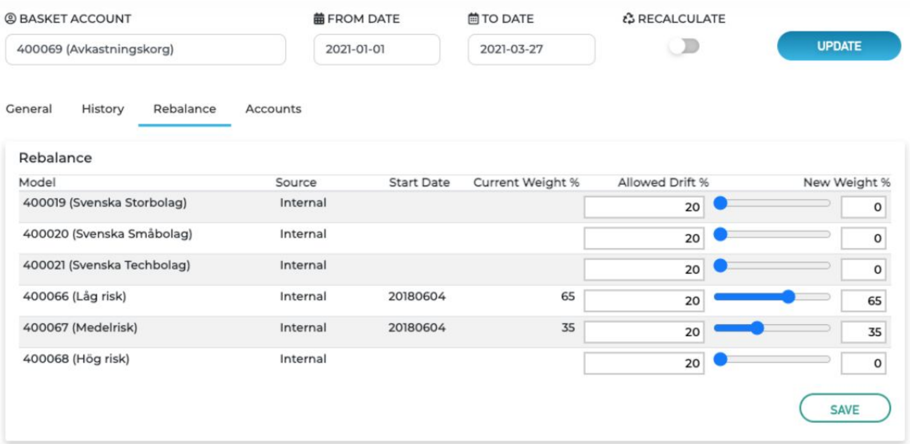
Allocator

- Model and Multi Portfolio creation and simulation based on real positions in different instruments
- Combine and create new portfolios by using shares of different model portfolios
- Evolution and weight for any instrument and period in multi portfolios
- Benchmark model portfolios evolution by running it on historical data or defined dry run period for a defined period
- Simulations generate allocations, allocations generate a market order

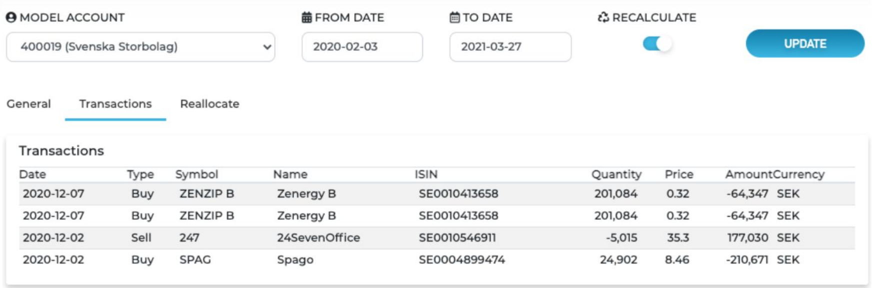
- Supports management of many clients/accounts with individual requirements
- Robot supported model portfolio creation
- Targeting Retail advanced users and Wealth Managers
- High/low level API:s available including REST enables integration with other systems
- PDF generation of Reports
- Customization

- Transaction based, Captures transactional data in real time, no data storage
- Multi portfolio management, model portfolios and unlimited reallocation and rebalancing
- Follow weight and evolution within a portfolio or portfolios over defined time periods
- Robot supported portfolio creation
- Robot support for understanding fund content, i e instrument share/weight; decision tool

Allocator HTML5 client



- Included in the package, serves as a reference implementation
- Consumes the REST-api
- Uses Google Charts and Lightweight Financial Library (TradingView) for graphics
- Real-time updated



Analyzer

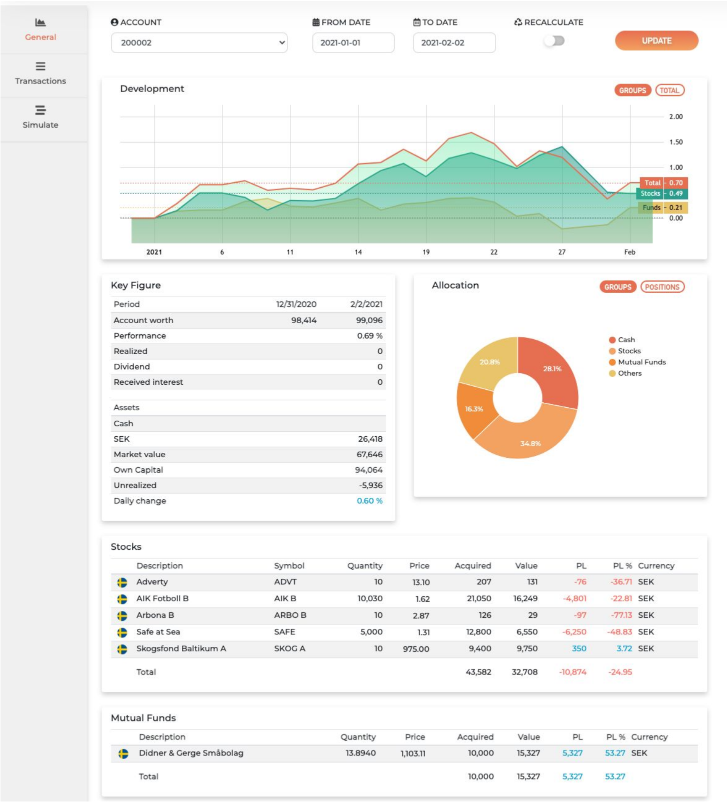
- Calculates historical risk and return for any asset/period
- Performance reports and tax summaries
- Reports are generated both interactively and batchwise
- Targeting Retail users and Managers
- High/low level API:s available including REST enables integration with other systems

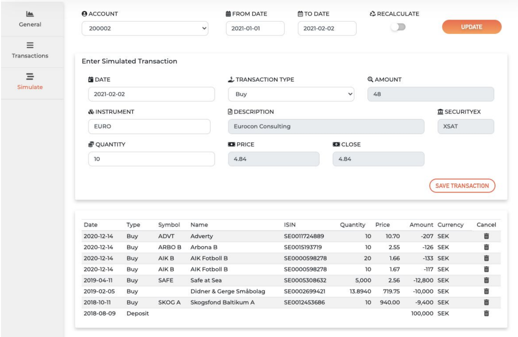
- Risk and return contribution over GICS, currencies, asset classes or customer defined groups
- Aggregation of multiple accounts, potentially spread over several individual Back Office systems, into one summary report
- Manages performance for external positions (including simulation, “what if”-scenario simulations)
- Robot supported portfolio suggestions
- PDF generation of Reports
- Customization

- Daily valuation
- Security level
- Multi-period
- Transaction based
- Time Weighted Return

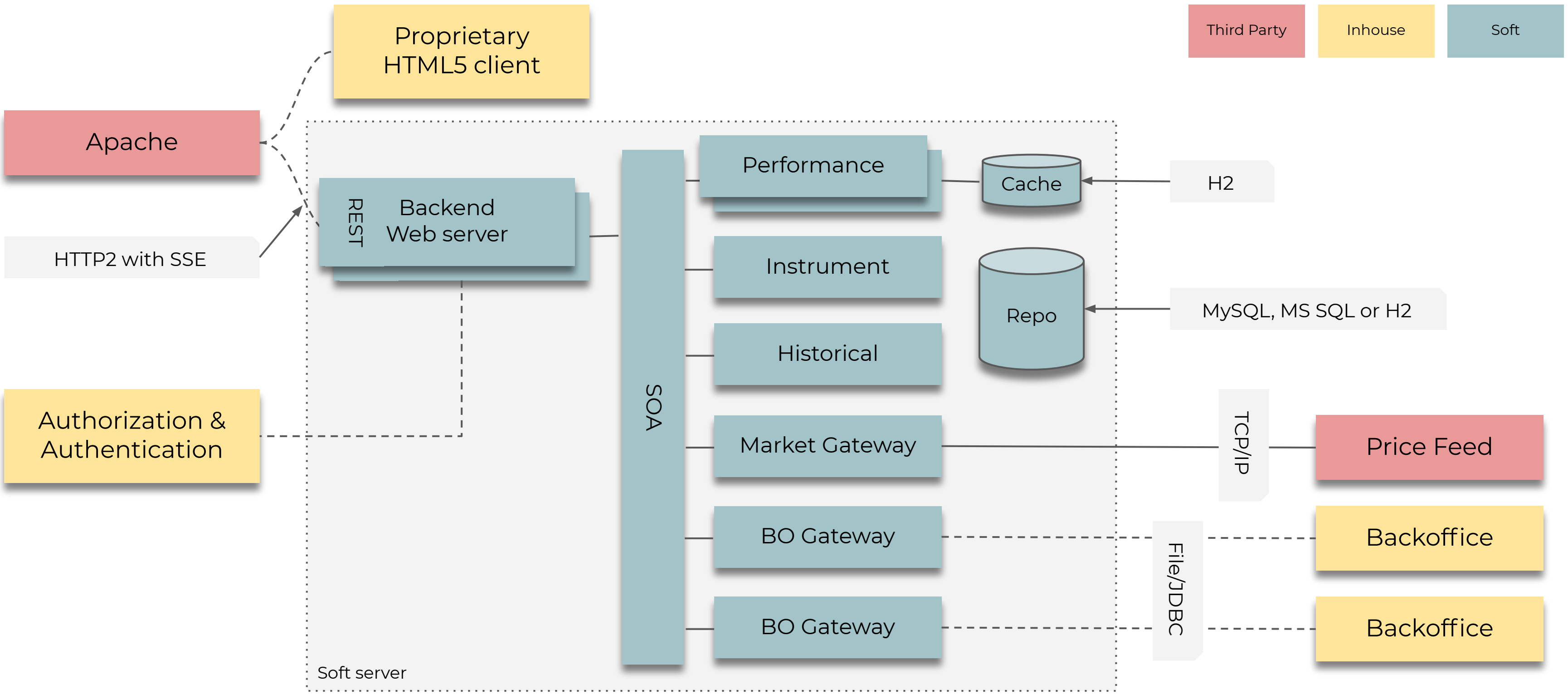
Analyzer HTML5 client

- Included in the package, serves as a reference implementation
- Consumes the REST-api
- Uses Google Charts and Lightweight Financial Library (TradingView) for graphics
- Real-time updated





Deployment scenario, single system



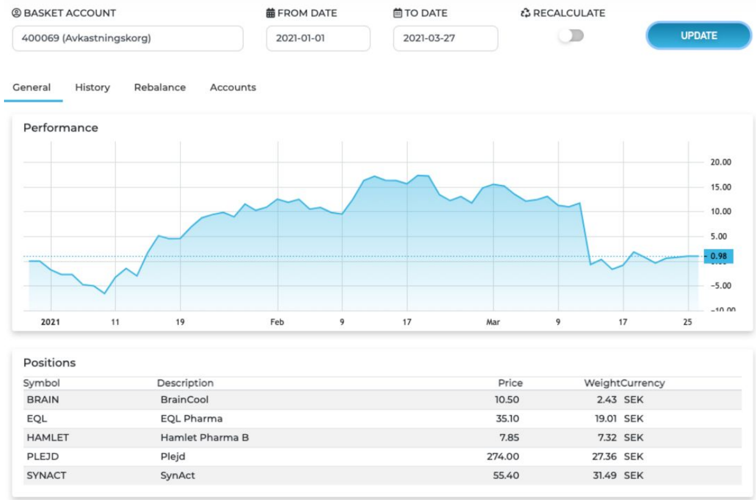
Business Object sources

Backoffice integrations

- Instruments
- Currencies
- Historical Prices
- Interest rate table
- Accounts
- Transactions
- Positions (real-time only)
- Authorization systems

Market Data feed (real-time only)

- Instruments (market)
- Market Data



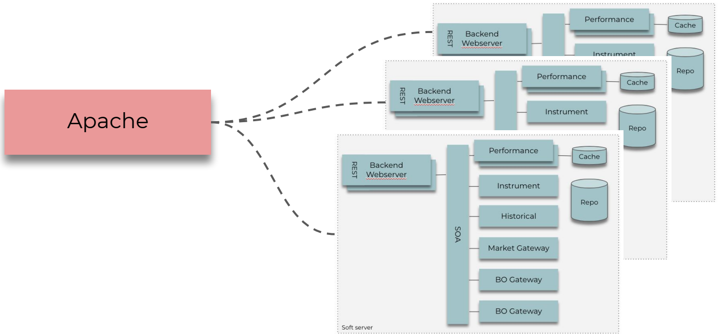
Large volume deployment

Optimizations “out of the box”

- Performance server
  - tries to reduce calculation effort as far as possible
  - caches performance series for recent accounts requested as far as memory allows
  - uses persistent cache where end-date is yesterday
  - ad-hoc requests for previous end dates are never cached
  - cache policy can be customized using plugin (for example for very large accounts)
  - cluster support
- Backend Web server
  - caches performance series for logged in users
  - cluster support
- Morning prepopulation batch of Performance cache

Next level...

Partitioning of data into multiple systems using stateful or stateless routing.



Backoffice Integrations i e

- Secura
- Wizer
- Skillgo
- Lime

Market feeds i e

- Millistream
- SIX
- ITCH

Customer integrations

- REST (JSON)
- Backoffice Java API
- PDF templates