Reaven Tech Trader Platform Software Solution:
A Brief Introductory

Reaven Tech

is a diverse group of people who seek inspiration and productivity in their careers and carry on the start-up spirit of the thriving IT and software technologies of today.

The team

comprises programmers, analysts and researchers that are guided by the leadership of senior software and business developers who have unique experiences in FinTech by having worked with international partners and investors for years.

teknoparkizmir

We’re currently in Izmir TeknoPark, a leading technology business incubator cluster, located in the beautiful campus of Turkey’s renowned university, Izmir Institute of Technology. We’re happy to be a part of such fostering community of aspiring students and academicians.

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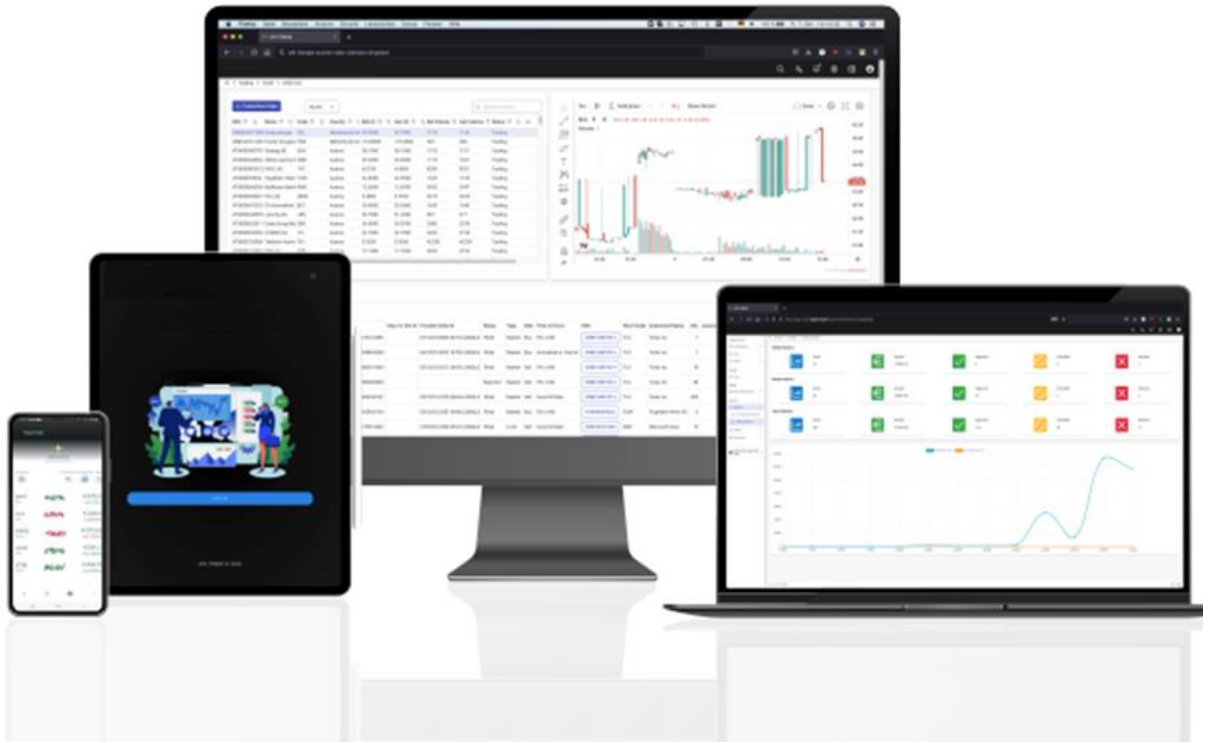
Core Banking Payment Portfolio Management Business Intelligence Big Data



- **Trader Platform** offers OMS, money and account management, corporate actions and reporting and settlement.

- It handles large volumes of transactions and manages complex financial instruments and structures.

Reaven Tech Services in Summary

Security Deposit Management

Trading wallet, Real Time Position and Corporate Actions Management

Business Intelligence

Data warehouse and Built-in reports for all aspects of the system

Clients & Users

Decoupled identity management and role-based access

Multiple Client Interface Support

Web & Mobile application with Open Architecture and fully manageable by modern APIs

Order Management

Market, Limit, Stop-Limit, Value (Money) Order, Block Order with Fractional order support

Agile Infrastructure

All modules developed 100% inhouse for easy scaling & adaptation Available in Cloud or On-Premise Installation

Internal Accounting & Tax Management

Multi level internal ledger, Regulatory
reports and Tax declarations

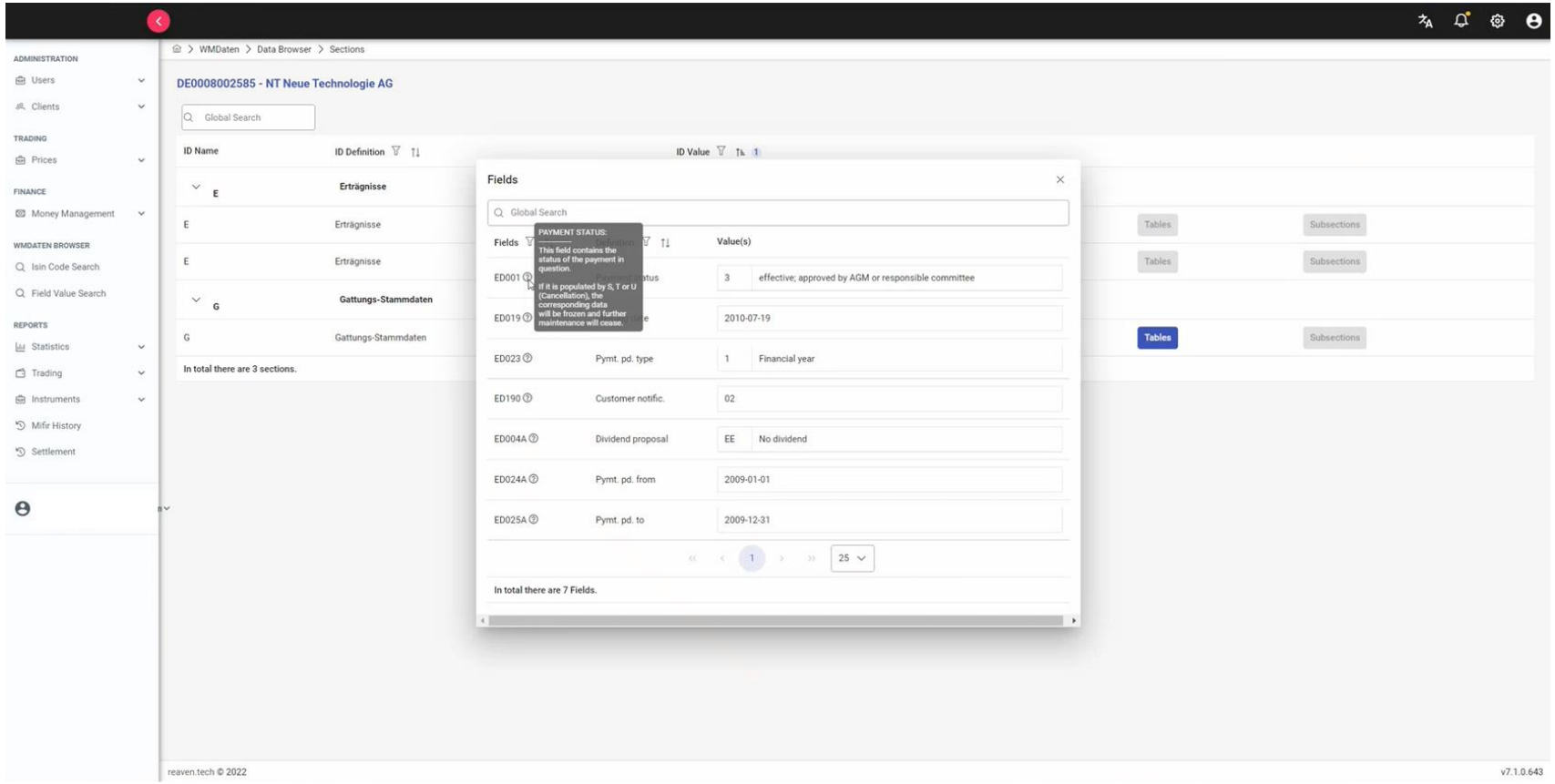
Multi-banking Plug-In

Customer can connect all bank transactions and Securities Deposit in one place.

Agile and Adaptive Infrastructure

All modules developed 100% inhouse for easy scaling & adaptation, available in Cloud or On-Premise Installation.

- ❖ API Documentation and Developer Resources
- ❖ API Compatibility, Standards and interoperability (e.g., RESTful APIs, OAuth, and JSON/XML)
- ❖ API Sandbox and Testing Environment
- ❖ Customization and Configuration (e.g., data mappings or adjustment of system behaviors through API)
- ❖ Integration Support and Collaboration (technical team and the guidance of seniors)
- ❖ Scalability and Performance Considerations
- ❖ Successful Third-Party Integrations with Partners



Collaboration is essential; we work **with** other participants such as **market makers, trading venues, and data providers** to facilitate trading and investment activities.

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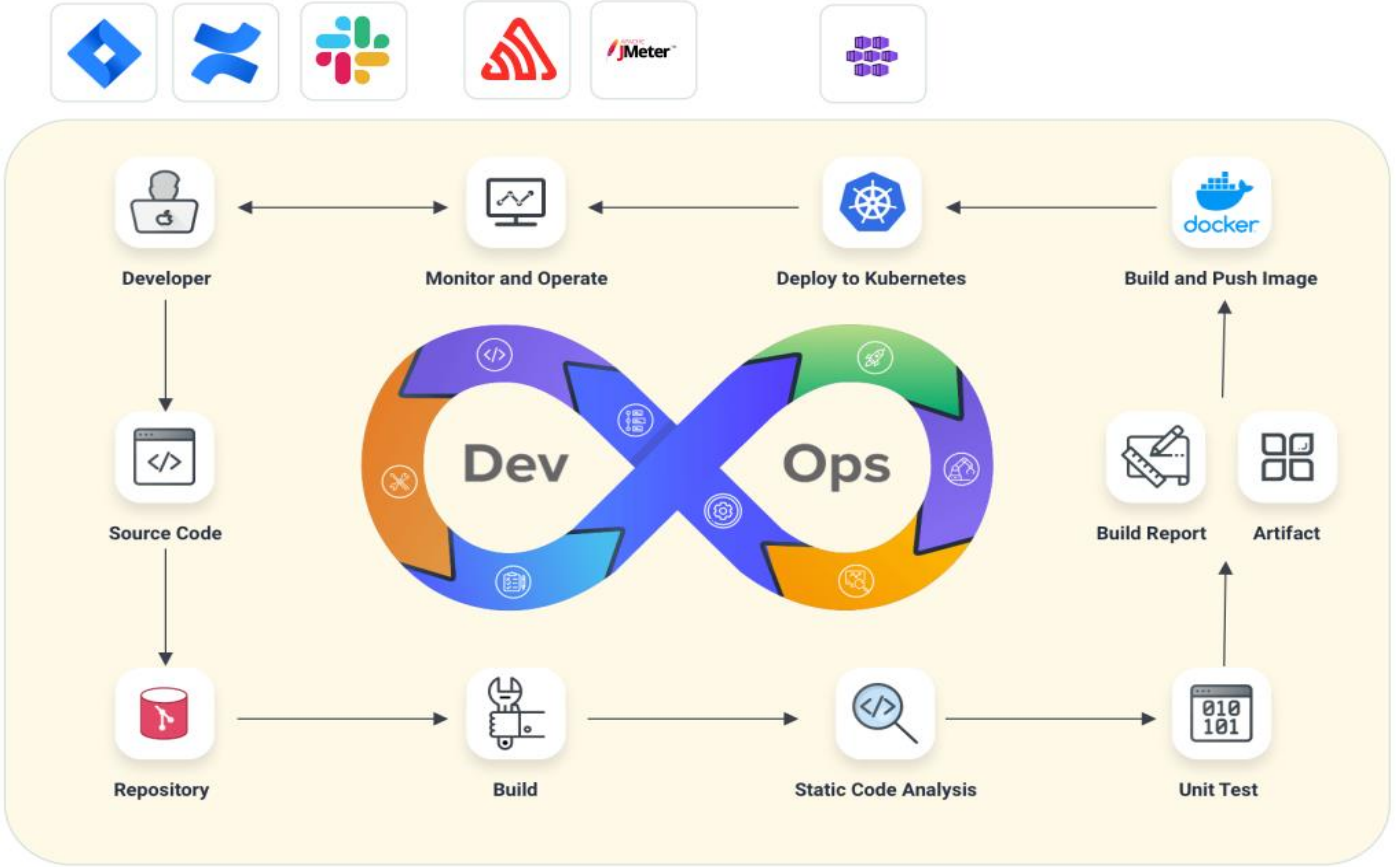


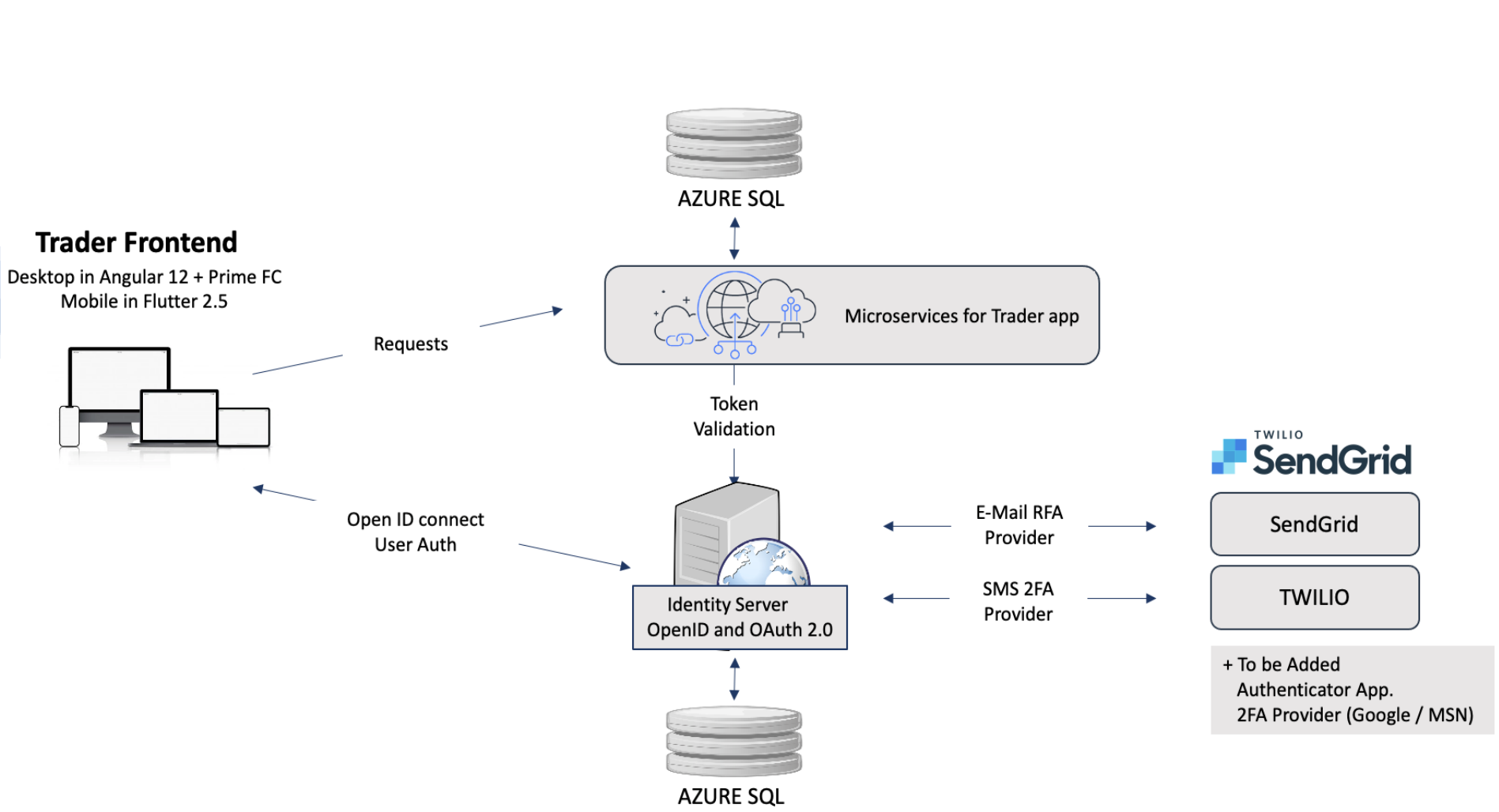
We facilitate efficient and rapid software thanks to **established project management, development cycles and CI/CD**. Flexibility and scalability of our infrastructure enables us to adapt quickly to changing business needs.

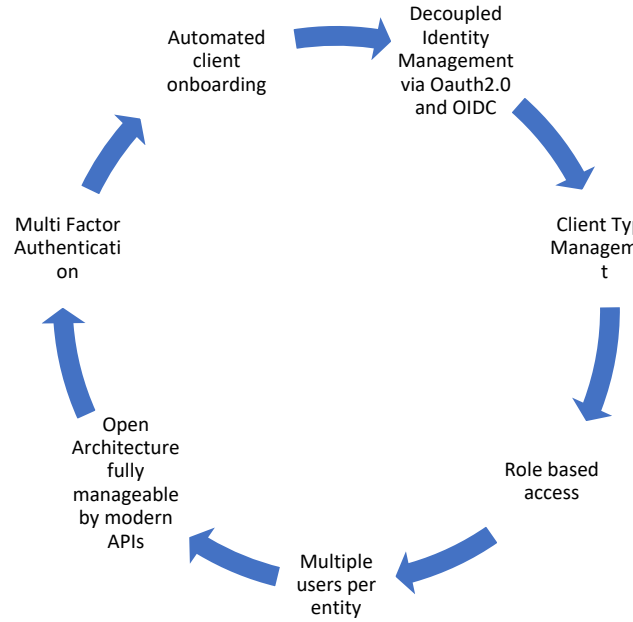
Our **open banking** API capabilities, such as EBICS, HBCI/FinTS, or PSD2 compliance provides convenient access to multiple bank transactions and securities deposits in one centralized place.

- Consolidated Account Information
- Payment Initiation and Transaction Management
- Real-Time Data and Notifications.
- Compliance with Regulatory Standards (Audit trails, transaction monitoring, reporting and updates/changes monitoring)
- Data Privacy and Security

Data Privacy and Security

- Encryption and Secure Communication (SSL/TLS , Workload Identities, encryption at rest)
- Access Controls and User Permissions
- Two-Factor Authentication (2FA)
- Data Protection and Anonymization
- Regular Security Audits and Penetration Testing
- Employee Training and Awareness





Reaven Tech's **Identity Server** is a globally available adaptive interface for authorization and authentication management

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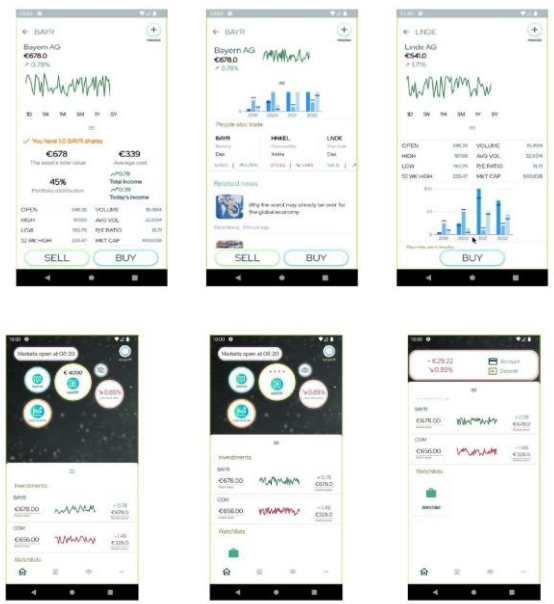
Multiple Client Interface Support

We provide customizable user interfaces based on the specific needs and preferences of different client types. We tailor the interface design, layout, and functionalities to accommodate the requirements of institutional clients or white label partners.

The **white label** Trader Platform as a **mobile solution** empowering brokerage firms with a cutting-edge, mobile-centric approach to their services.



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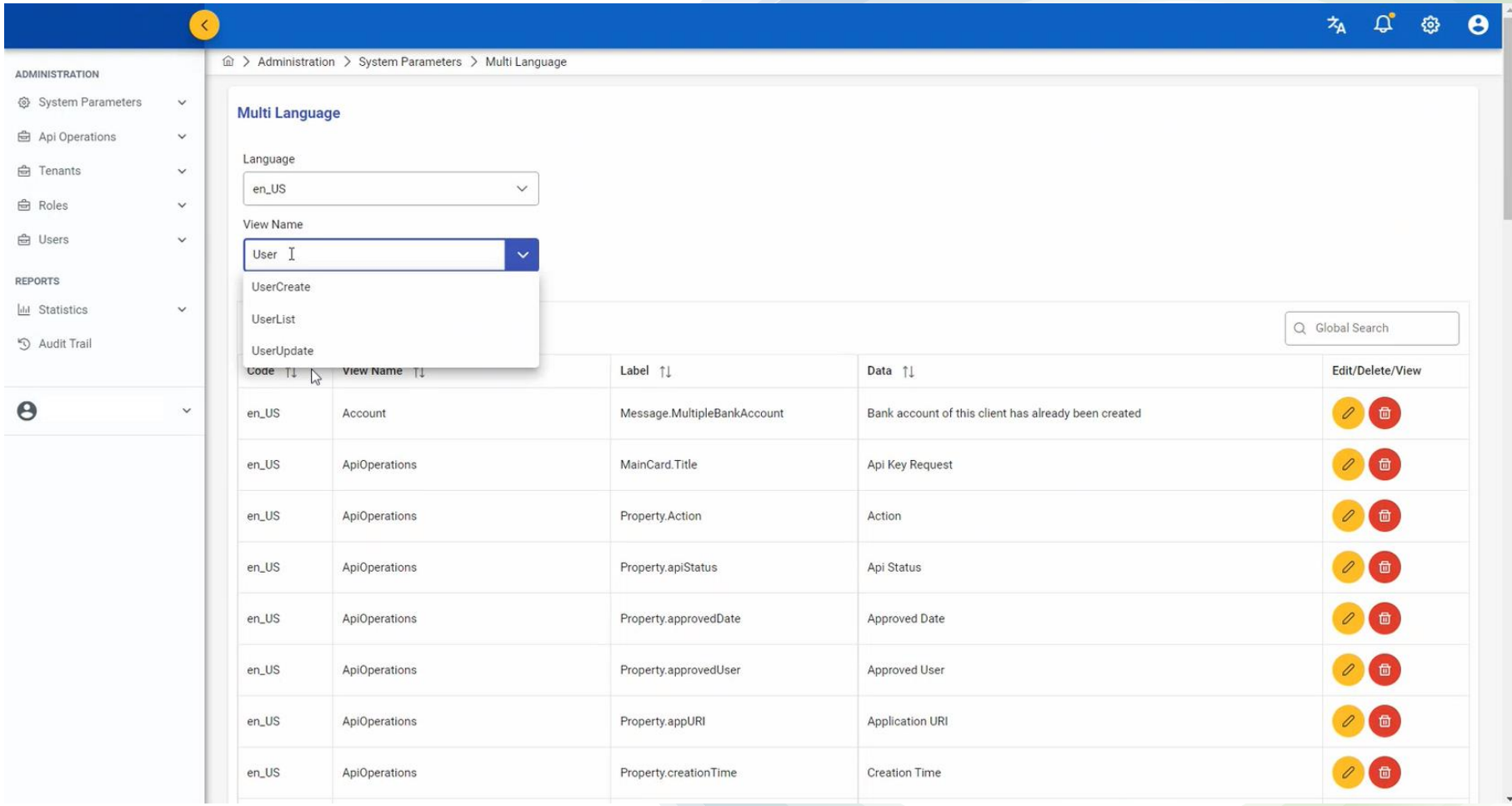
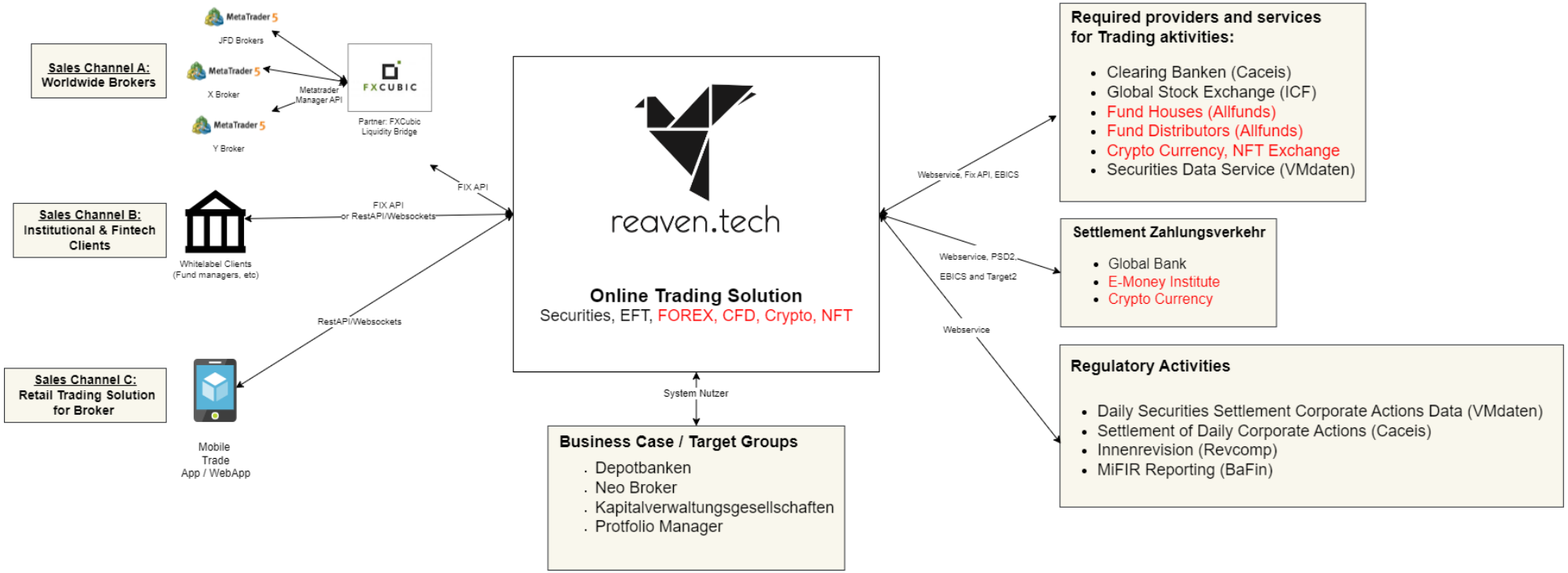
We support multiple languages in our system and platform, handle communications in multiple languages, provide **language-specific reports** and documents, ensure **compliance** with regulatory requirements, and train our staff on the use of multi-language services.



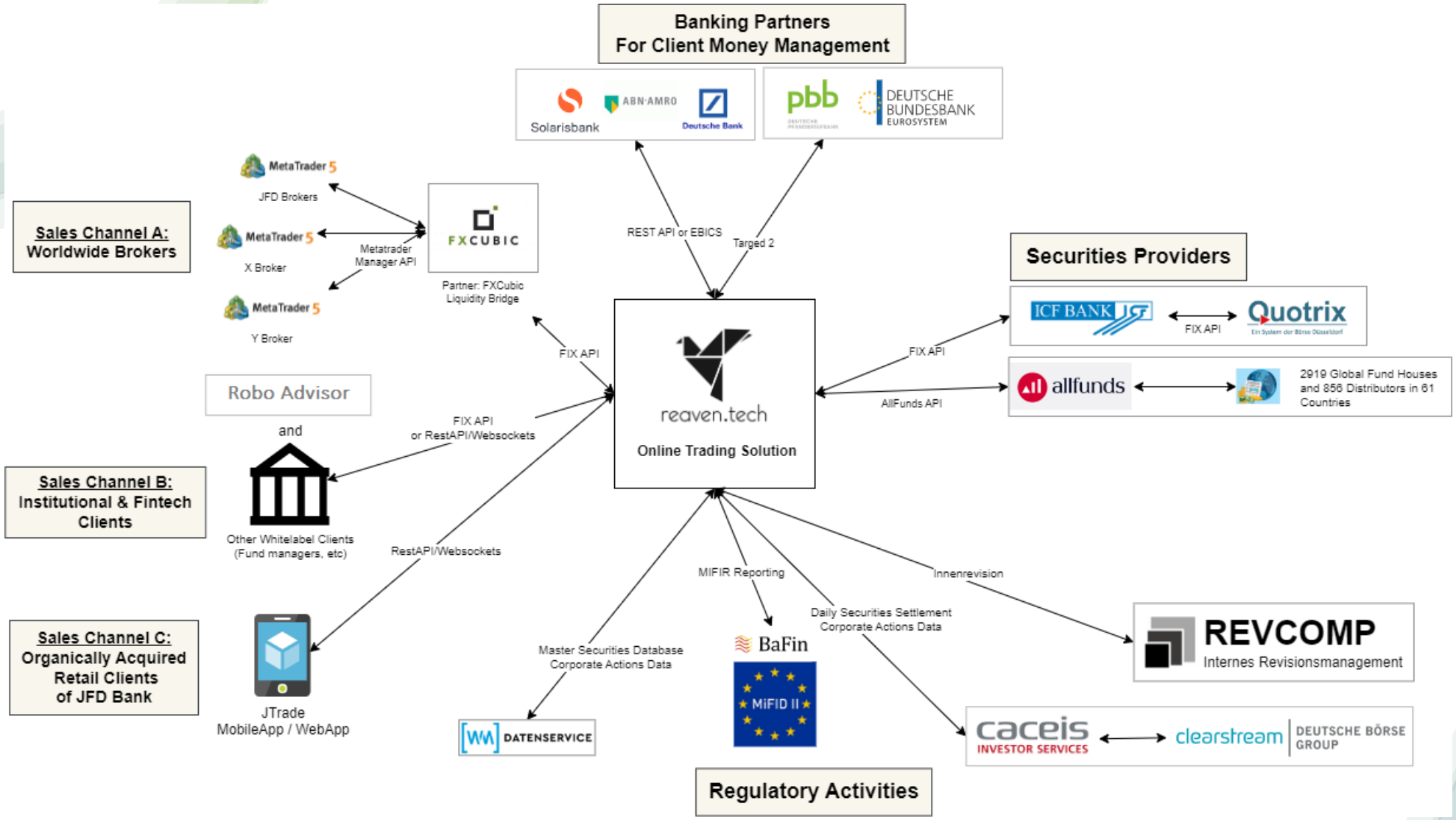
Reaven.Tech ECO-System



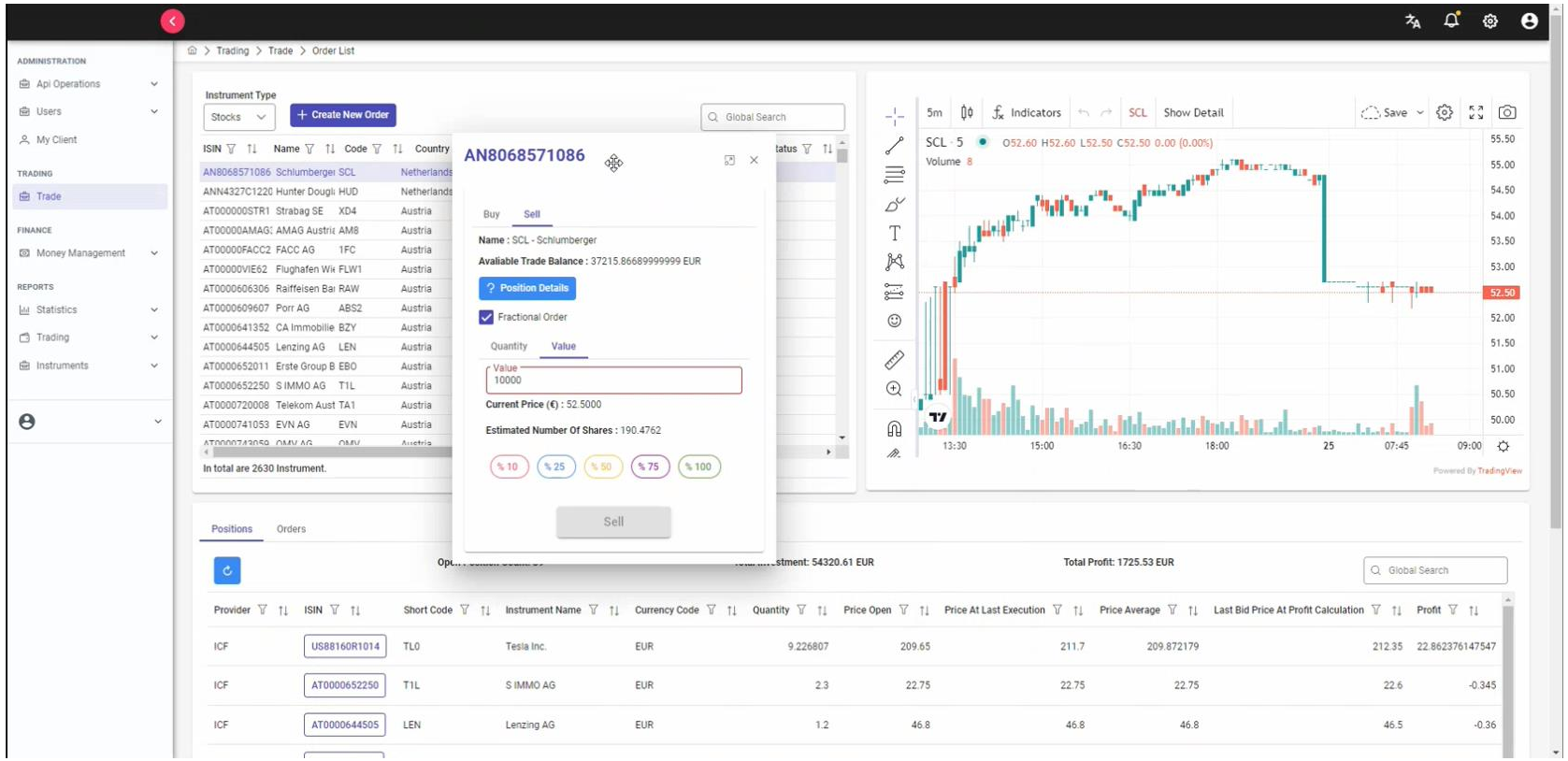
BaaS

Our solution can be integrated into various types of trading including their regulatory processes. In white label, we can identify your business goals, customize UIs alongside integrating APIs, data feeds, test, launch and ongoing support and maintenance.

The diagram of our solution for one of our security deposit bank partners

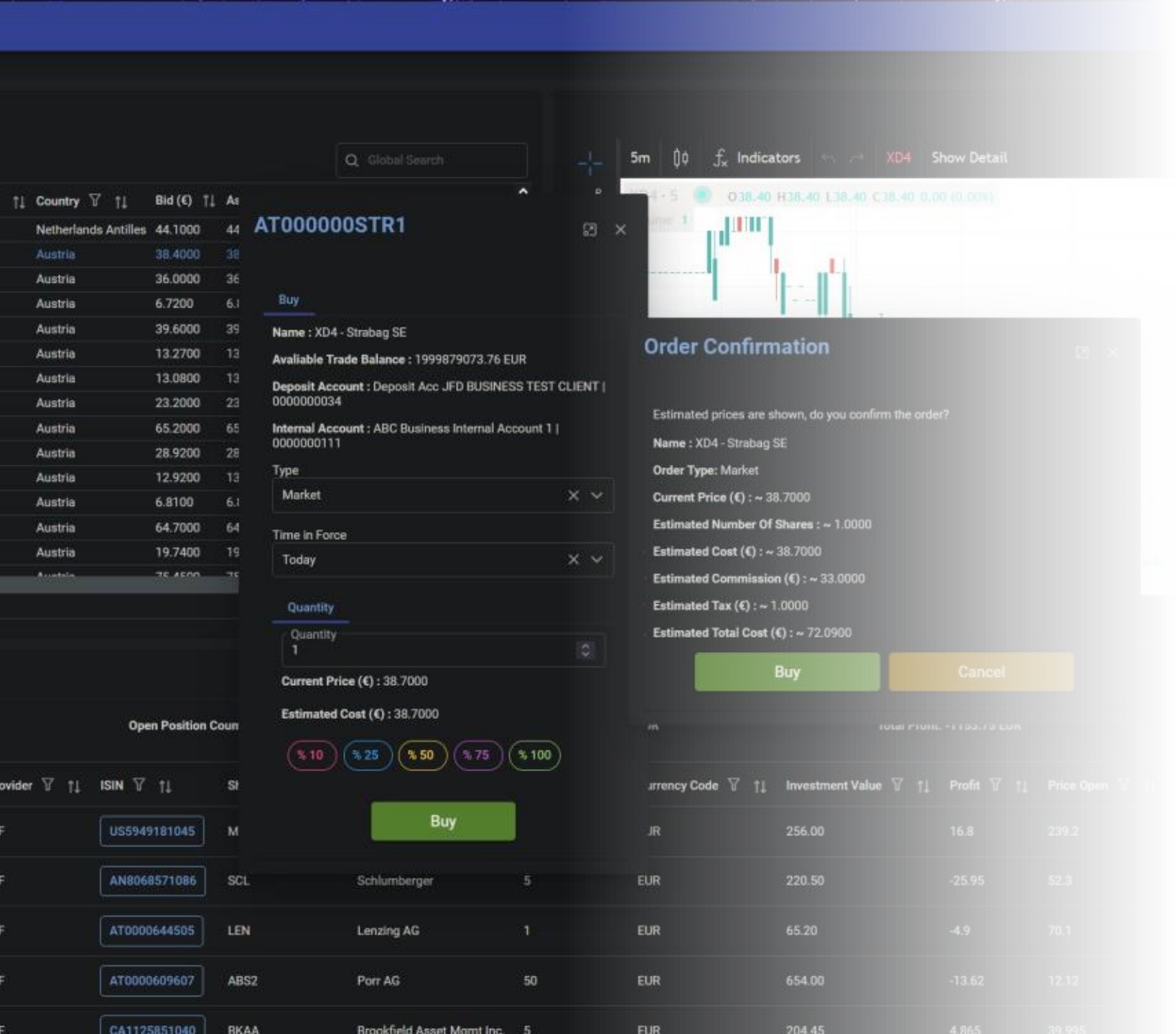


Technically a platform of back-end and front-end tailored to serve B2B business case of brokerage.



End User Interface: a sandbox of real securities and values (data are attained from one of our bank partners).

The images in the next slides show variances in style and color because of customization.



End User Interface: Trade in Detail

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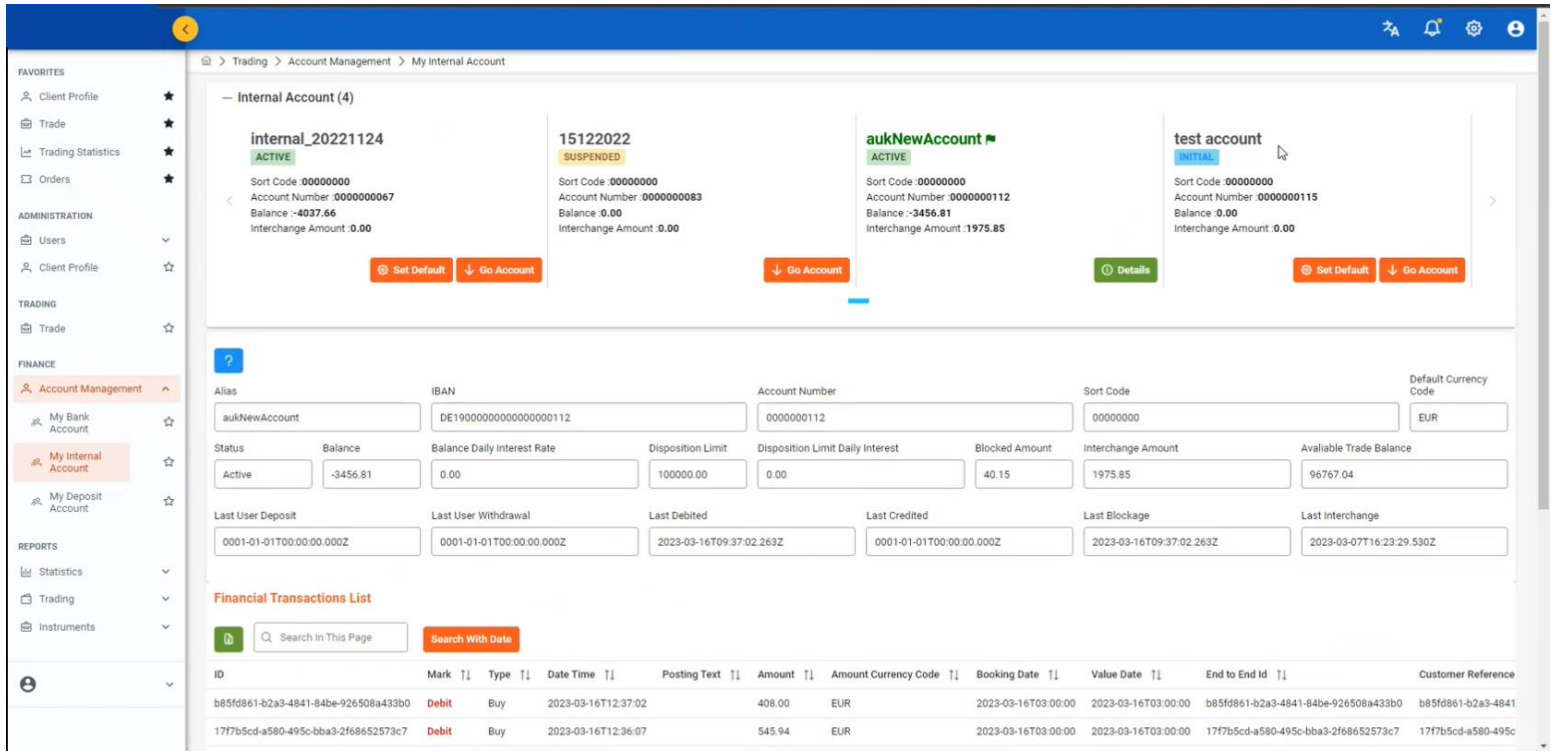
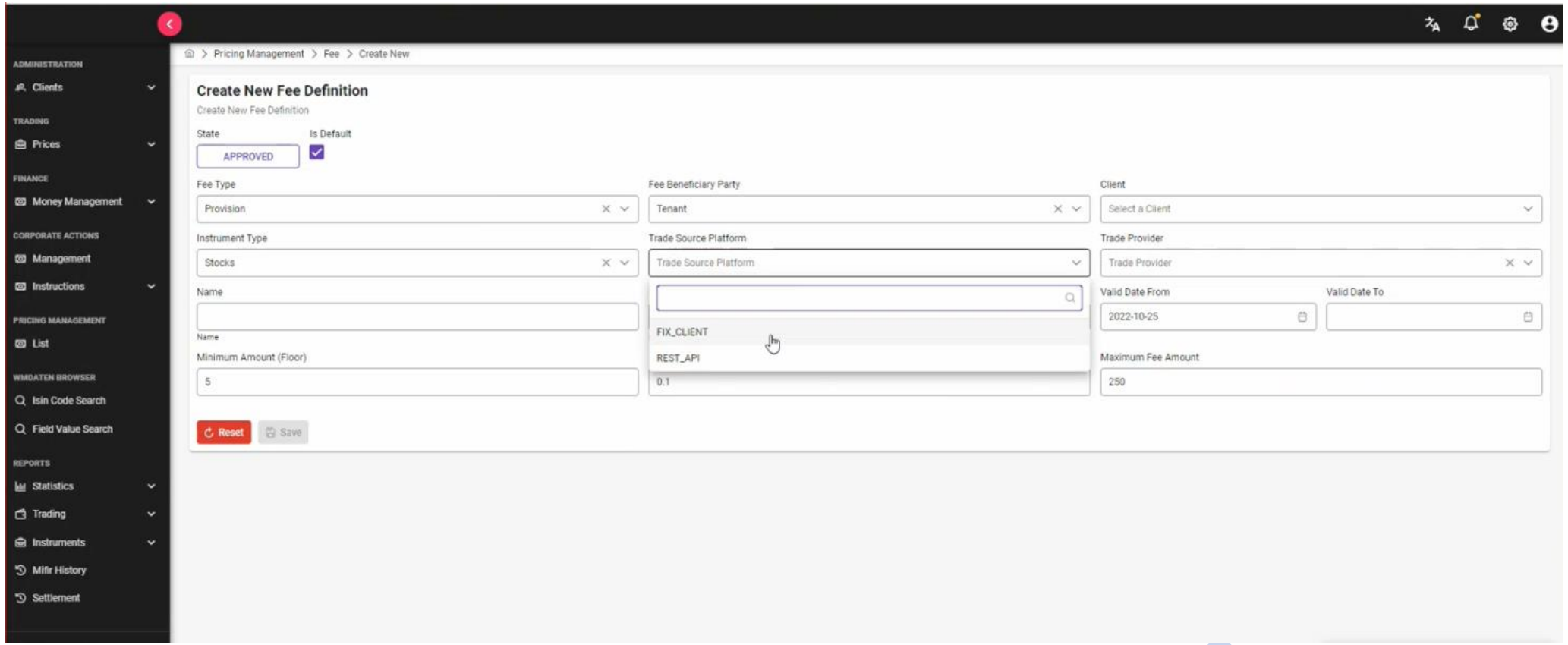
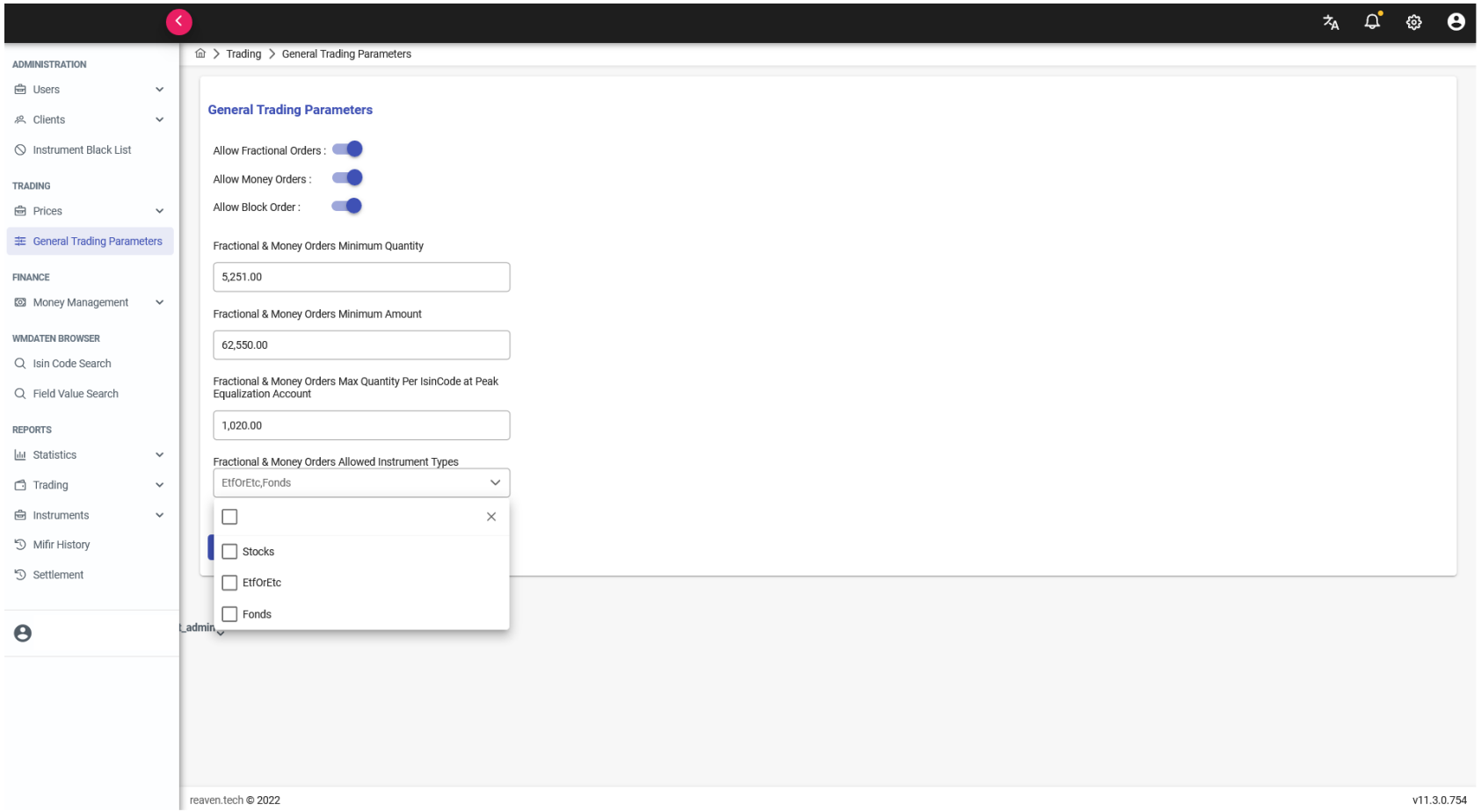
Client Interface: For Business Clients

We provide **core banking** features with three basic types of money accounts (deposit, withdraw and disposition/trade), all tailored for B2B brokerage.



Tenant Interface: The module **corporate actions** manages stock splits, dividends, etc. by interpreting one of security databases.

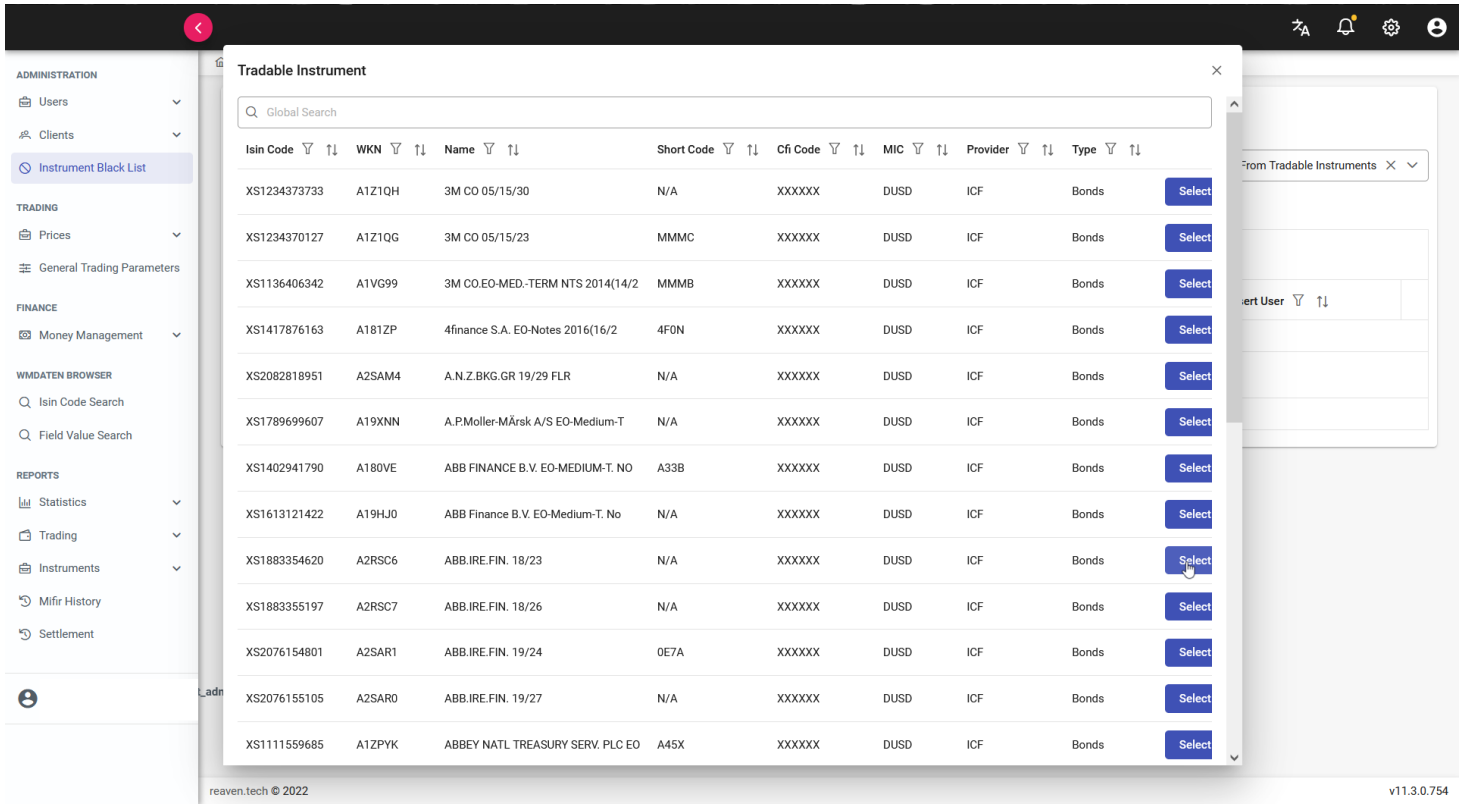




Tenant Interface: The APIs can support fractional order/trade functionality, which may involve changes to data structures, messaging protocols, and security features. Like corporate actions, we determine how to handle fractional orders and trades within their existing trading infrastructure, which requires modifications to their **order management system** (OMS), execution algorithms, and risk management protocols.

Tenant Interface:

To help them manage and control securities and financial instruments effectively, we also offer our clients models and data sources to **determine risks**, and comply with regulatory requirements



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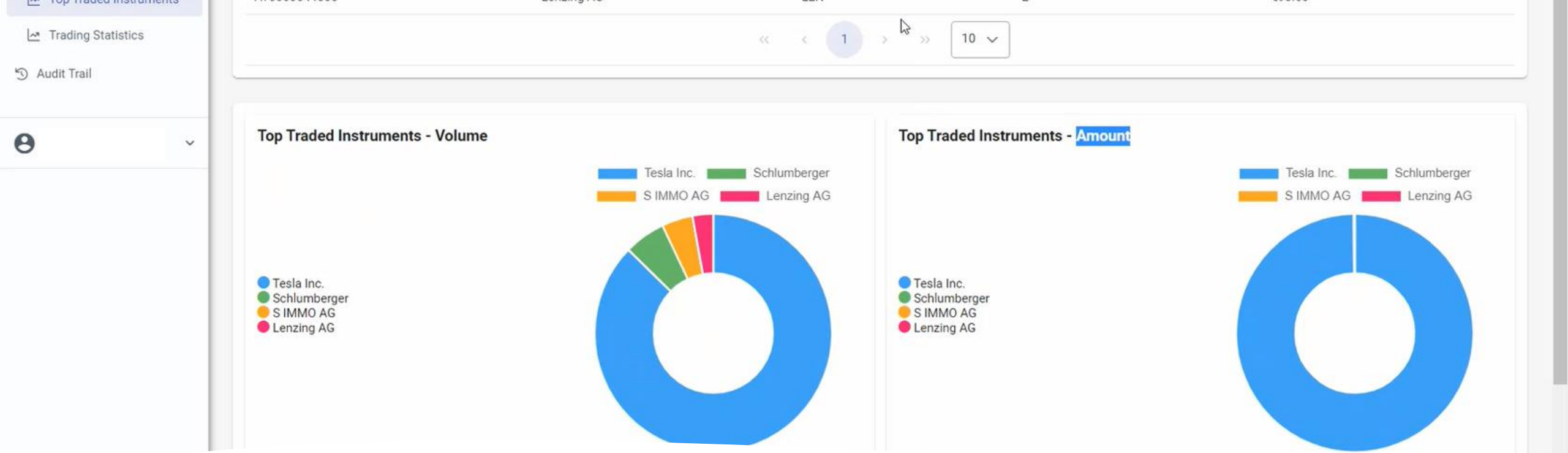
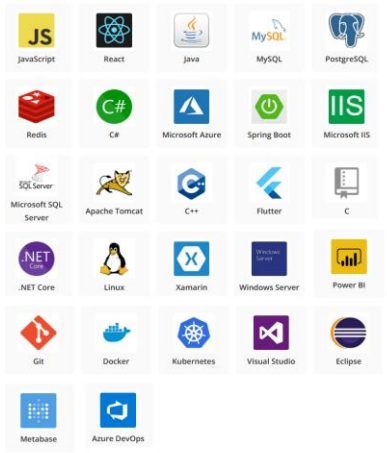
Tenant Interface: Our back-end operations regarding **reporting** involves the collection, processing, and delivery of data; it's a complex process with sophisticated technology and system to ensure accuracy, reliability, and security.



Effective reporting in B2B brokerage requires a robust and scalable technology infrastructure. Our solution involves **Real-time Data Visualization**, **Data Extraction**, **Scheduled Reports and Automated Delivery**, **Data Export** and **Integration**.

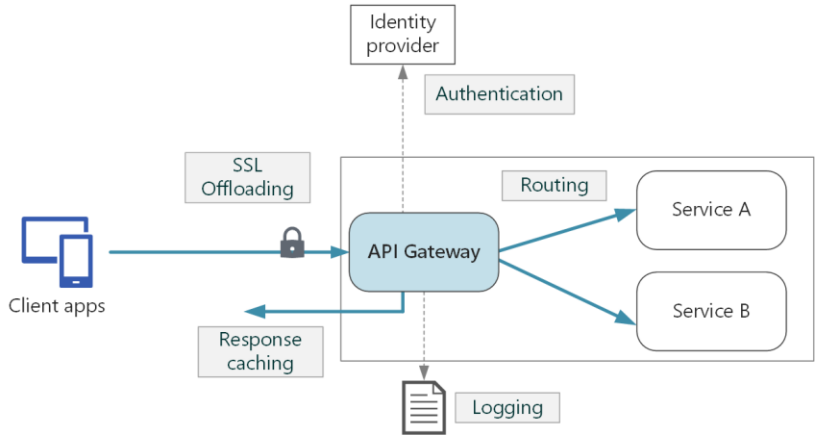
Our **microservices** can with other systems and services more easily with using APIs (Application Programming Interfaces), which enables us to offer more comprehensive and relevant services to our clients.



Microsoft SQL Server

Azure

.NET Core



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In summary

Multiple client interface support

- Web application
- Mobile application (Android & IOS)
- Open Architecture fully manageable by modern APIs

Business Intelligence

- Built-in reports for all aspects of the system
- Built-in dashboards
- Custom report generation via GUI or directly via SQL
- Custom system dashboard generation via GUI or directly via SQL
- Scheduled reports & automated delivery
- Data warehouse
- Audit Logs

Mulltibanking - Finance Management API for Trading Software

Customer can connect all bank transactions and Securitis Deposit in one place.

- Open Banking API (EBICS or HBCI/FinTS or PSD2)
- Account information Service (Bank or Securities Deposit)
- Standart Payment initiation
- Instand Paymnent initiation
- direct debit
- Open Architecture fully manageable by modern APIs

Agile Infrastructure

- Cloud or On Premise Installation Available
- Continuous Integration and Continuous Deployment (CI/CD)
- Built-in System Monitoring & Incidence Management
- All moduled developed 100% inhouse for easy scaling & adaptation
- Disaster Recovery
- Built-in Security
- Compliance (ISO/IEC 27001, BAIT)

Imprint

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