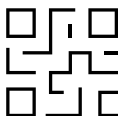




Reaven Tech Trader Platform Software Solution: A Brief Introductory





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.



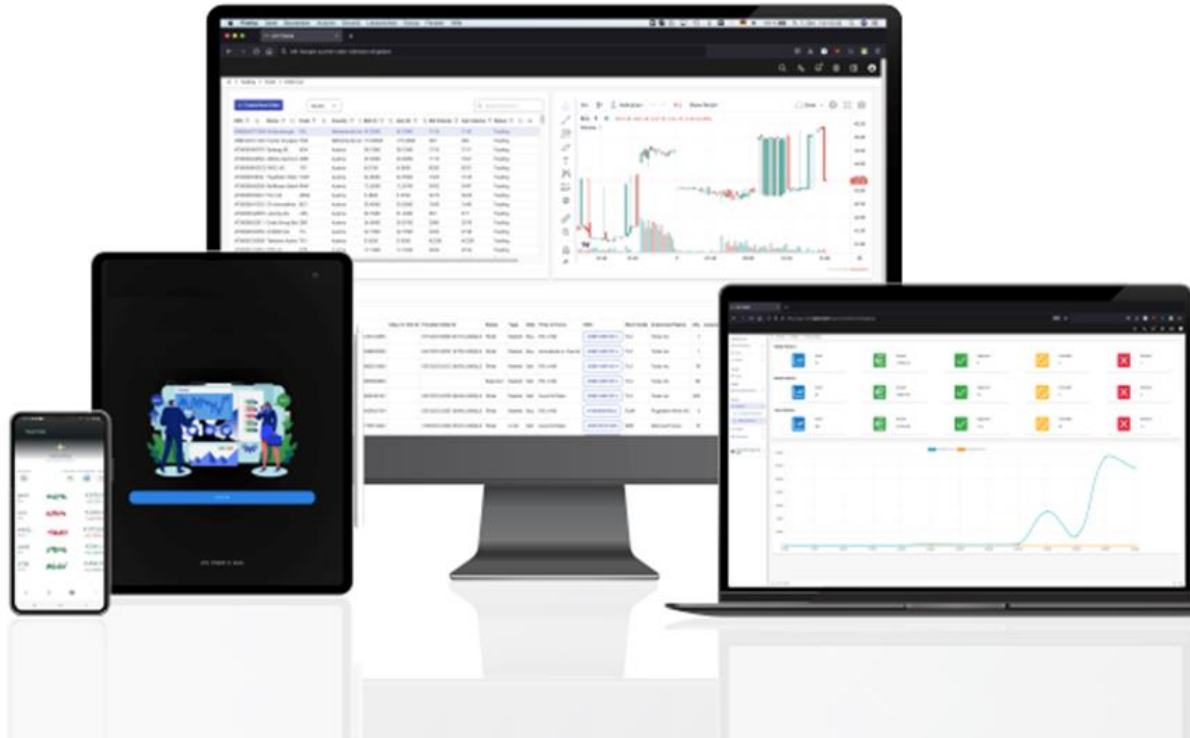


teknoparkizmir

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.



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.

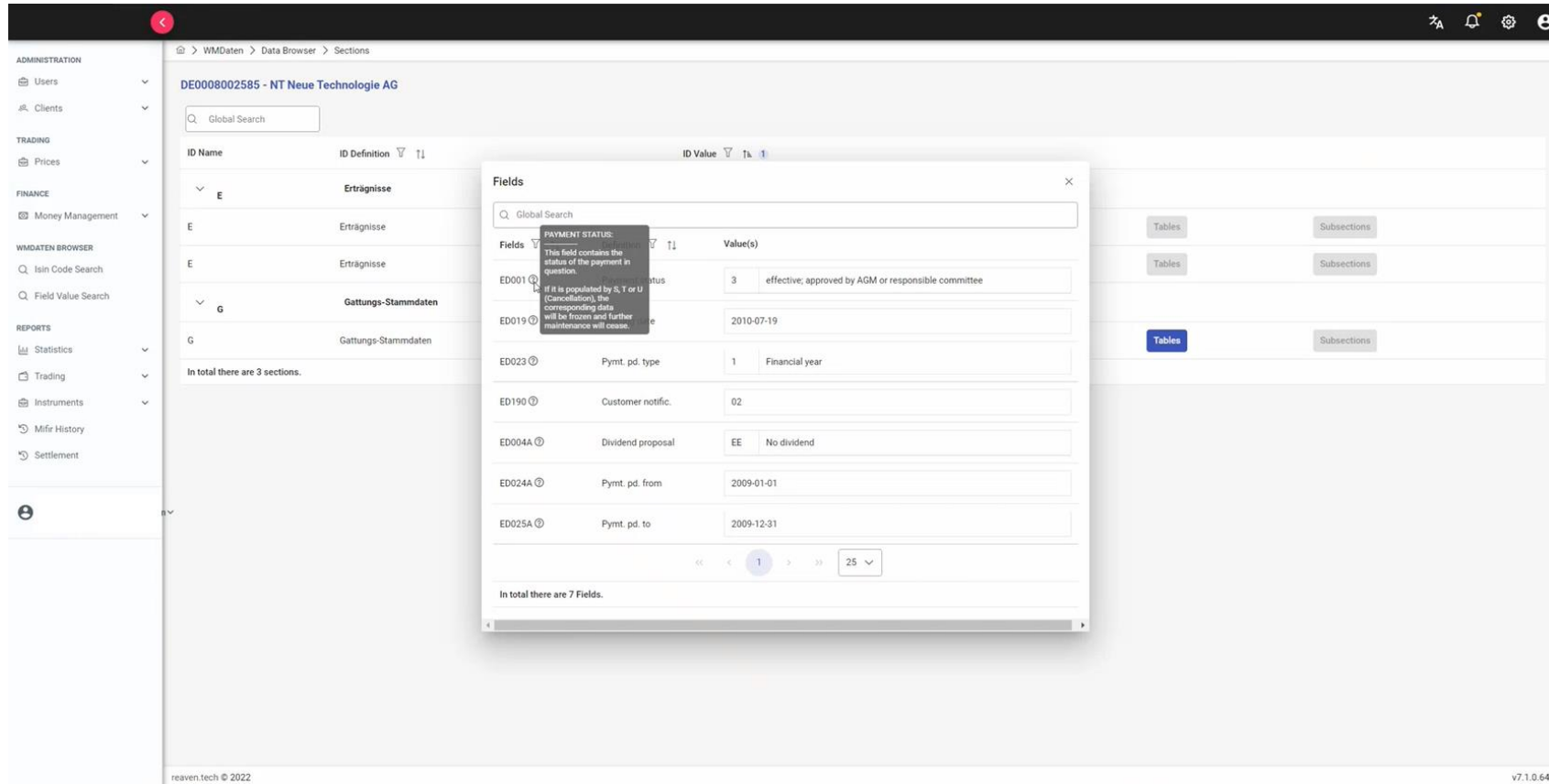


Agile and Adaptive Infrastructure

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



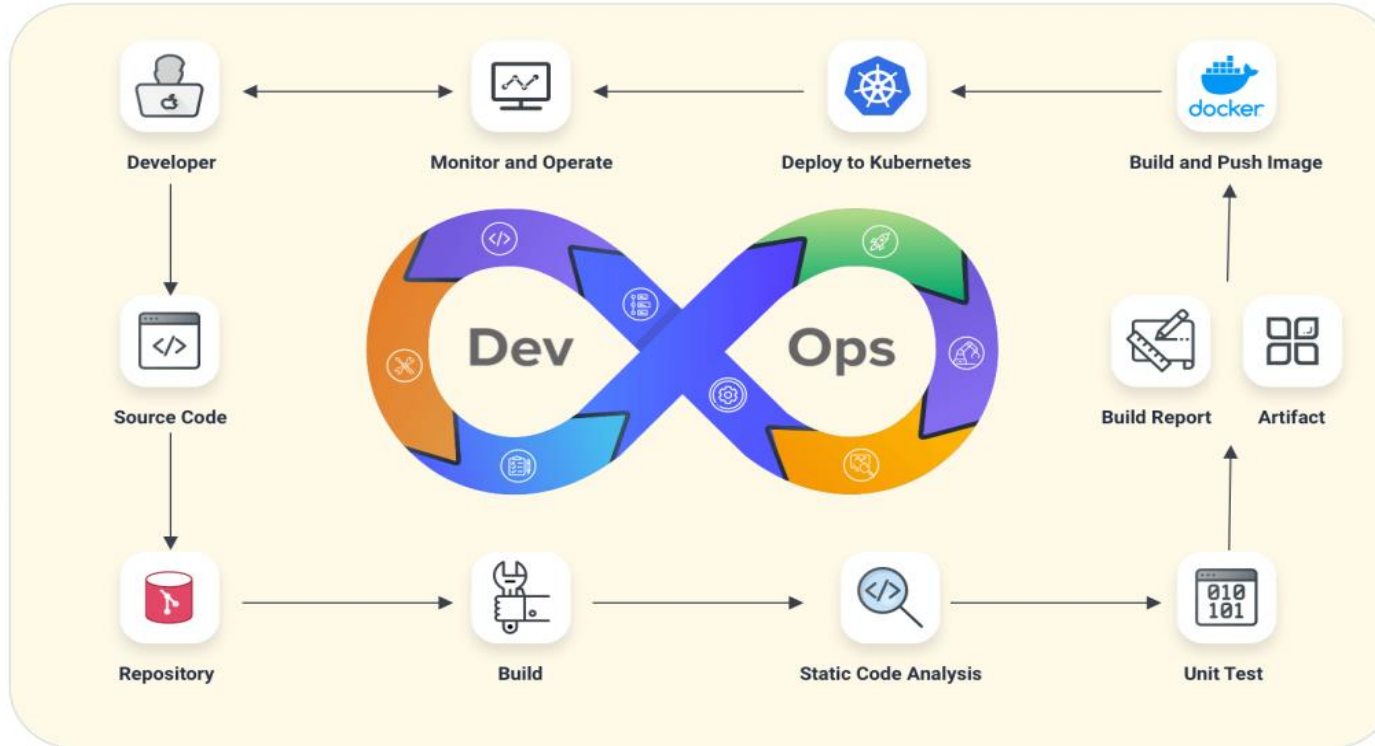


The screenshot displays the reaven.tech Data Browser interface. The main view shows sections for 'DE0008002585 - NT Neue Technologie AG'. A 'Fields' modal is open, showing a table of fields with IDs, names, and values. A tooltip for 'ED001' explains the 'PAYMENT STATUS' field.

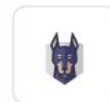
Fields	ID	Value(s)
ED001	PAYMENT STATUS	3 effective; approved by AGM or responsible committee
ED019	...	2010-07-19
ED023	Pymt. pd. type	1 Financial year
ED190	Customer notific.	02
ED004A	Dividend proposal	EE No dividend
ED024A	Pymt. pd. from	2009-01-01
ED025A	Pymt. pd. to	2009-12-31

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





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

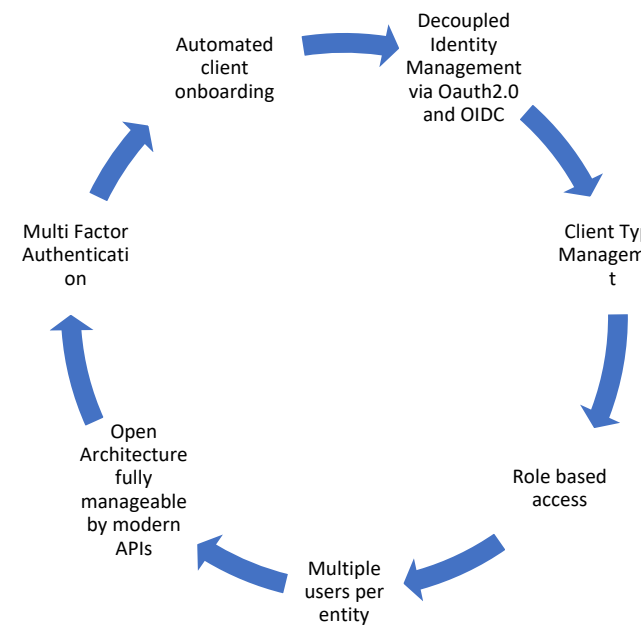
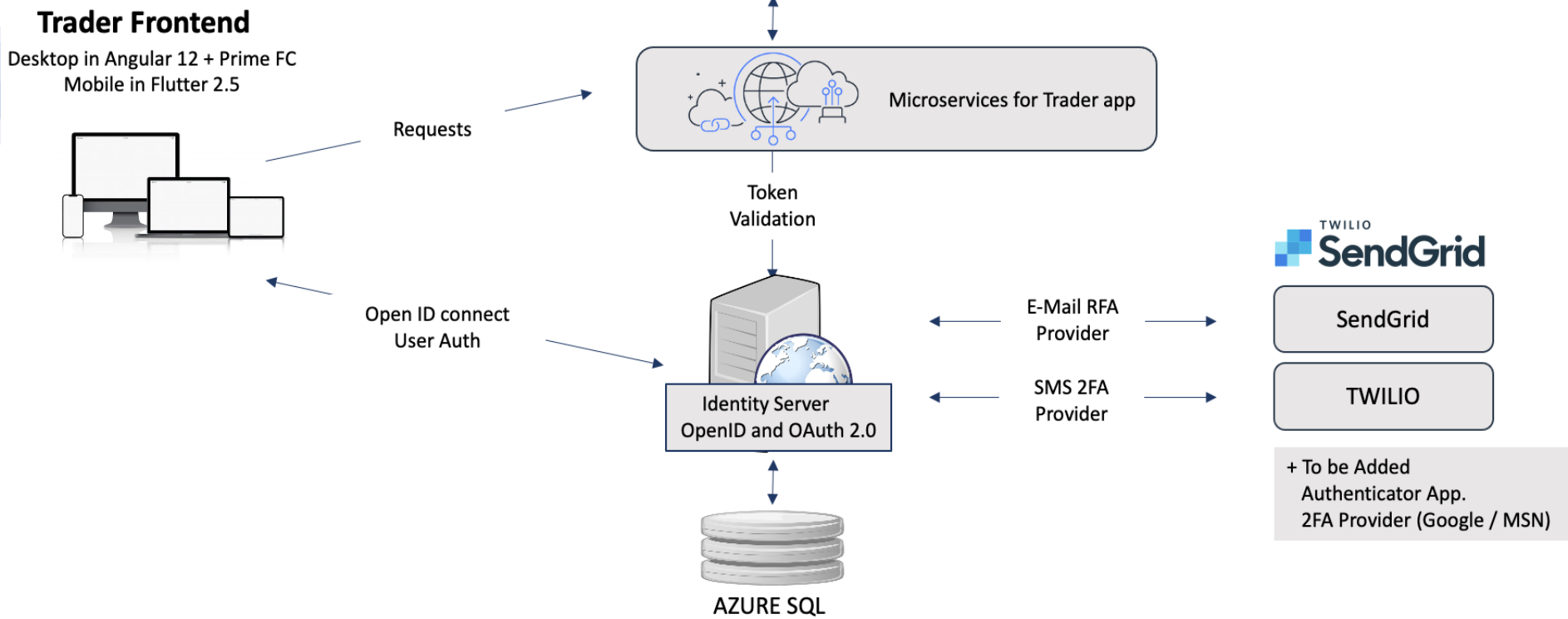
❖ Two-Factor Authentication (2FA)

❖ 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

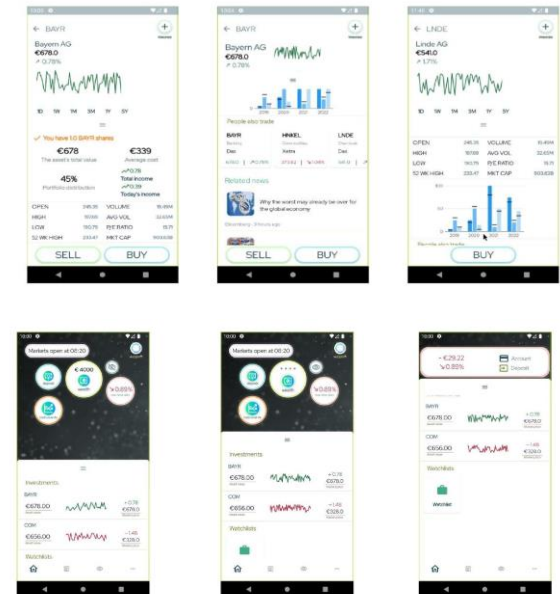


Multiple Client Interface Support

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.



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.

ADMINISTRATION

System Parameters

Api Operations

Tenants

Roles

Users

REPORTS

Statistics

Audit Trail

Administration > System Parameters > Multi Language

Multi Language

Language

en_US

View Name

User

UserCreate

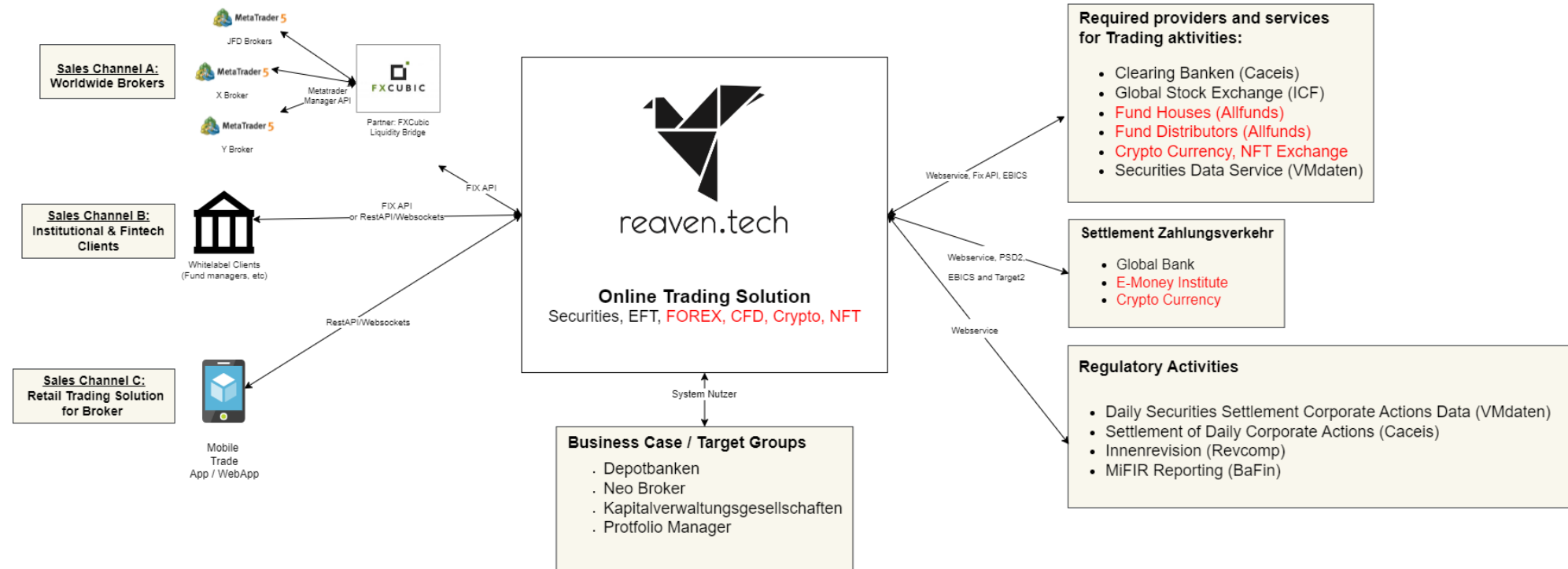
UserList

UserUpdate

Global Search

Code	View Name	Label	Data	Edit/Delete/View
en_US	Account	Message.MultipleBankAccount	Bank account of this client has already been created	<div><div></div><div></div></div>
en_US	ApiOperations	MainCard.Title	Api Key Request	<div><div></div><div></div></div>
en_US	ApiOperations	Property.Action	Action	<div><div></div><div></div></div>
en_US	ApiOperations	Property.apiStatus	Api Status	<div><div></div><div></div></div>
en_US	ApiOperations	Property.approvedDate	Approved Date	<div><div></div><div></div></div>
en_US	ApiOperations	Property.approvedUser	Approved User	<div><div></div><div></div></div>
en_US	ApiOperations	Property.appURI	Application URI	<div><div></div><div></div></div>
en_US	ApiOperations	Property.creationTime	Creation Time	<div><div></div><div></div></div>

Reaven.Tech ECO-System

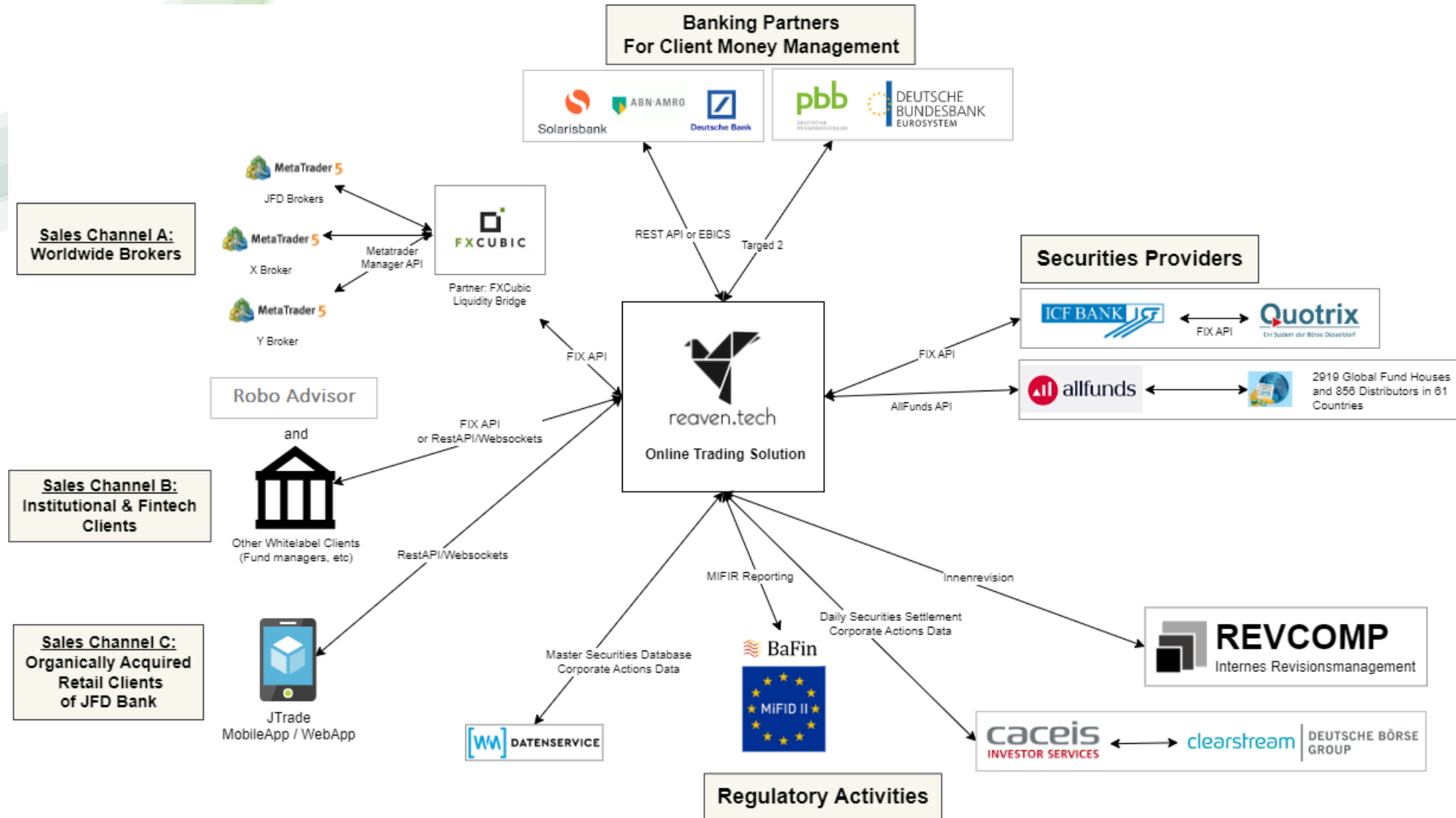


BaaS

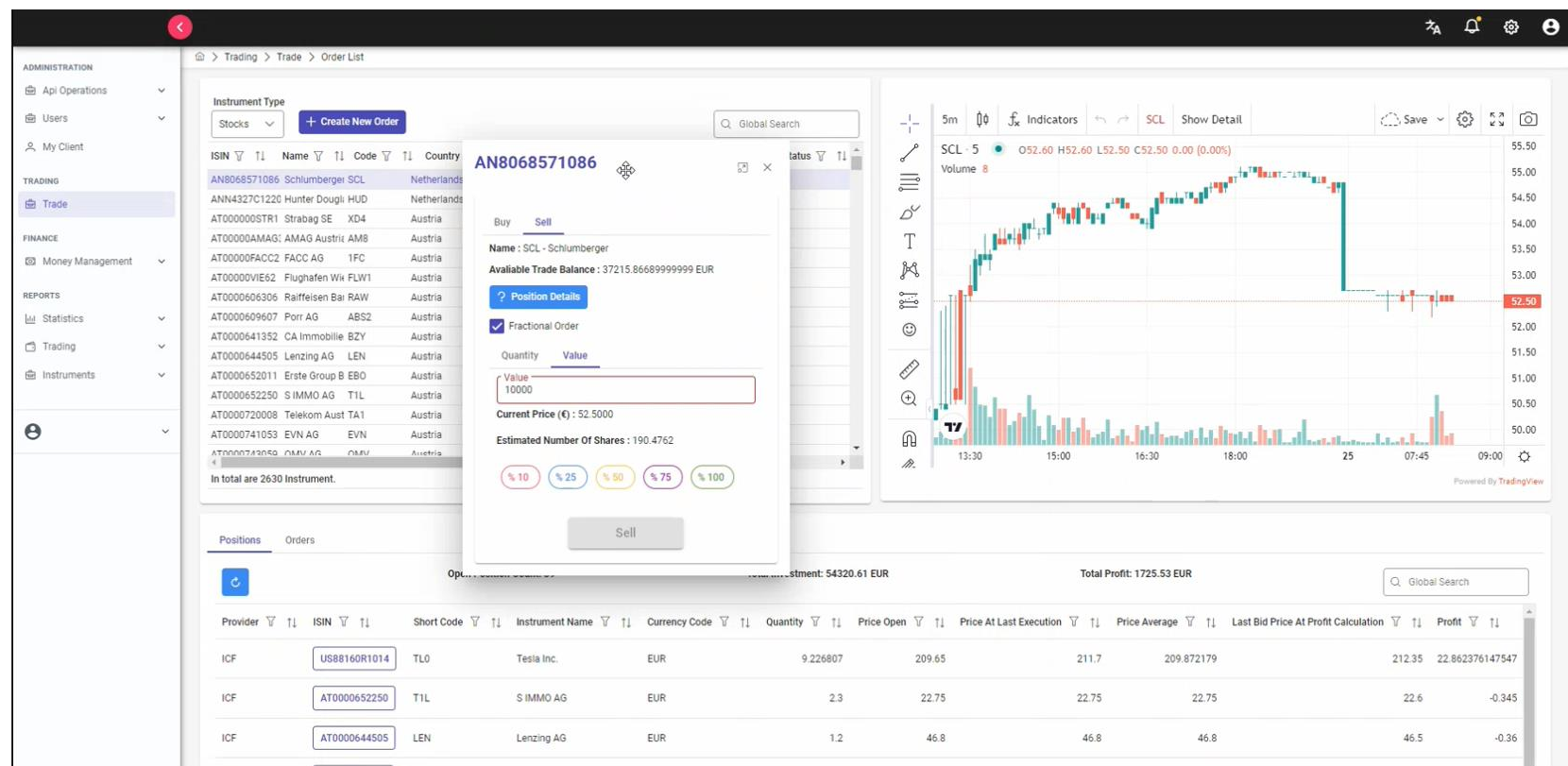
Our solution can be integrated into various types of trading including their regulatory processes. In white label, we can identify your business goals, customize UIs alongside integrating APIs, data feeds, test, launch and ongoing support and maintenance.



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.

Global Search

Country	Bid (€)	As
Netherlands Antilles	44.1000	44
Austria	38.4000	38
Austria	36.0000	36
Austria	6.7200	6.1
Austria	39.6000	39
Austria	13.2700	13
Austria	13.0800	13
Austria	23.2000	23
Austria	65.2000	65
Austria	28.9200	28
Austria	12.9200	13
Austria	6.8100	6.1
Austria	64.7000	64
Austria	19.7400	19
Austria	75.4500	75

AT000000STR1

Buy

Name : XD4 - Strabag SE

Available Trade Balance : 1999879073.76 EUR

Deposit Account : Deposit Acc JFD BUSINESS TEST CLIENT | 0000000034

Internal Account : ABC Business Internal Account 1 | 0000000111

Type

Market

Time in Force

Today

Quantity

Quantity1

Current Price (€) : 38.7000

Estimated Cost (€) : 38.7000

% 10

% 25

% 50

% 75

% 100

Buy

5m

Indicators

XD4

Show Detail

0 38.40 H38.40 L38.40 C38.40 0.00 (0.00%)

Order Confirmation

Estimated prices are shown, do you confirm the order?

Name : XD4 - Strabag SE

Order Type: Market

Current Price (€) : ~ 38.7000

Estimated Number Of Shares : ~ 1.0000

Estimated Cost (€) : ~ 38.7000

Estimated Commission (€) : ~ 33.0000

Estimated Tax (€) : ~ 1.0000

Estimated Total Cost (€) : ~ 72.0900

Buy

Cancel

Open Position Count

Provider	ISIN	SI
F	US5949181045	M
F	AN8068571086	SCL
F	AT0000644505	LEN
F	AT0000609607	ABS2
F	CA1125851040	BKAA

Investment Value	Profit	Price Open
256.00	16.8	239.2
220.50	-25.95	52.3
65.20	-4.9	70.1
654.00	-13.62	12.12
204.45	4.865	39.995

End User Interface: Trade in Detail

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

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.

The screenshot displays the 'Create New Fee Definition' form within a web application. The form is titled 'Create New Fee Definition' and includes a sub-header 'Create New Fee Definition'. The form is divided into several sections:

- State:** A dropdown menu with 'APPROVED' selected.
- Is Default:** A checkbox that is checked.
- Fee Type:** A dropdown menu with 'Provision' selected.
- Fee Beneficiary Party:** A dropdown menu with 'Tenant' selected.
- Client:** A dropdown menu with 'Select a Client' selected.
- Instrument Type:** A dropdown menu with 'Stocks' selected.
- Trade Source Platform:** A dropdown menu with 'Trade Source Platform' selected.
- Trade Provider:** A dropdown menu with 'Trade Provider' selected.
- Name:** A text input field with a search icon.
- Valid Date From:** A date input field with '2022-10-25' entered.
- Valid Date To:** A date input field.
- Minimum Amount (Floor):** A text input field with '5' entered.
- Maximum Fee Amount:** A text input field with '250' entered.

A dropdown menu is open for the 'Name' field, showing two options: 'FIX_CLIENT' and 'REST_API'. The 'REST_API' option is highlighted. At the bottom of the form, there are two buttons: 'Reset' and 'Save'.

The screenshot displays the 'General Trading Parameters' configuration page within the Reaven Tech Tenant Interface. The interface features a dark sidebar on the left with a navigation menu organized into categories: ADMINISTRATION (Users, Clients, Instrument Black List), TRADING (Prices, General Trading Parameters), FINANCE (Money Management), WMDATEN BROWSER (Isin Code Search, Field Value Search), and REPORTS (Statistics, Trading, Instruments, Mifir History, Settlement). The main content area, titled 'Trading > General Trading Parameters', contains the following settings:

- General Trading Parameters:**
 - Allow Fractional Orders: ☒
 - Allow Money Orders: ☒
 - Allow Block Order: ☒
- Fractional & Money Orders Minimum Quantity:** 5,251.00
- Fractional & Money Orders Minimum Amount:** 62,550.00
- Fractional & Money Orders Max Quantity Per IsinCode at Peak Equalization Account:** 1,020.00
- Fractional & Money Orders Allowed Instrument Types:** A dropdown menu is open, showing the current selection 'EtForEtc,Fonds' and a list of options: ☒ Stocks, ☐ EtForEtc, and ☐ Fonds.

The footer of the interface shows 'reaven.tech © 2022' on the left and 'v11.3.0.754' on the right.

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

ADMINISTRATION

Users

Clients

Instrument Black List

TRADING

Prices

General Trading Parameters

FINANCE

Money Management

WMDATEN BROWSER

Isin Code Search

Field Value Search

REPORTS

Statistics

Trading

Instruments

Mifir History

Settlement

Tradable Instrument

Global Search

Isin Code	WKN	Name	Short Code	Cfi Code	MIC	Provider	Type	
XS1234373733	A1Z1QH	3M CO 05/15/30	N/A	XXXXXX	DUSD	ICF	Bonds	Select
XS1234370127	A1Z1QG	3M CO 05/15/23	MMMC	XXXXXX	DUSD	ICF	Bonds	Select
XS1136406342	A1VG99	3M CO.EO-MED.-TERM NTS 2014(14/2	MMMB	XXXXXX	DUSD	ICF	Bonds	Select
XS1417876163	A181ZP	4finance S.A. EO-Notes 2016(16/2	4FON	XXXXXX	DUSD	ICF	Bonds	Select
XS2082818951	A2SAM4	A.N.Z.BKG.GR 19/29 FLR	N/A	XXXXXX	DUSD	ICF	Bonds	Select
XS1789699607	A19XNN	A.P.Moller-MÅrsk A/S EO-Medium-T	N/A	XXXXXX	DUSD	ICF	Bonds	Select
XS1402941790	A180VE	ABB FINANCE B.V. EO-MEDIUM-T. NO	A33B	XXXXXX	DUSD	ICF	Bonds	Select
XS1613121422	A19HJ0	ABB Finance B.V. EO-Medium-T. No	N/A	XXXXXX	DUSD	ICF	Bonds	Select
XS1883354620	A2RSC6	ABB.IRE.FIN. 18/23	N/A	XXXXXX	DUSD	ICF	Bonds	Select
XS1883355197	A2RSC7	ABB.IRE.FIN. 18/26	N/A	XXXXXX	DUSD	ICF	Bonds	Select
XS2076154801	A2SAR1	ABB.IRE.FIN. 19/24	0E7A	XXXXXX	DUSD	ICF	Bonds	Select
XS2076155105	A2SAR0	ABB.IRE.FIN. 19/27	N/A	XXXXXX	DUSD	ICF	Bonds	Select
XS1111559685	A1ZPYK	ABBAY NATL TREASURY SERV. PLC EO	A45X	XXXXXX	DUSD	ICF	Bonds	Select

From Tradable Instruments

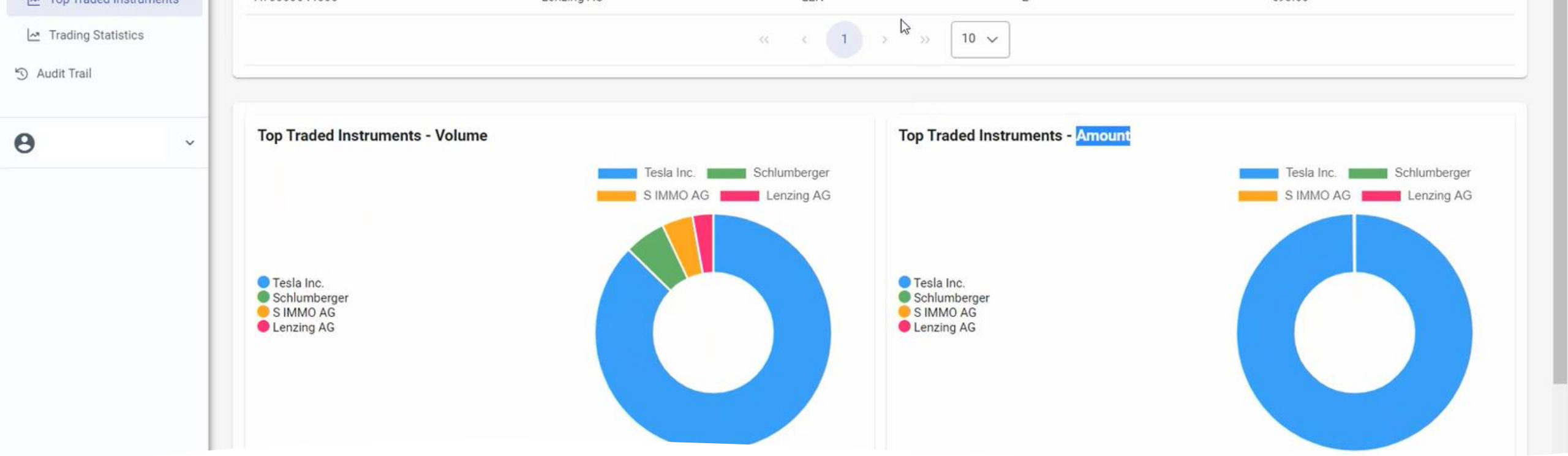
Alert User

reaven.tech © 2022

v11.3.0.754

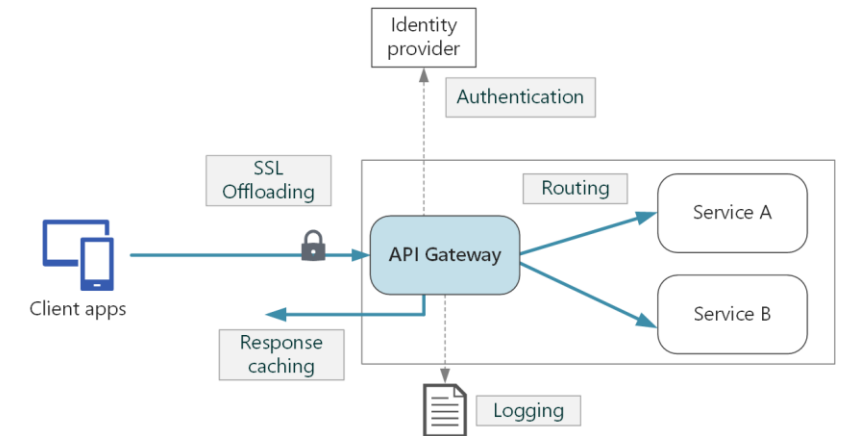
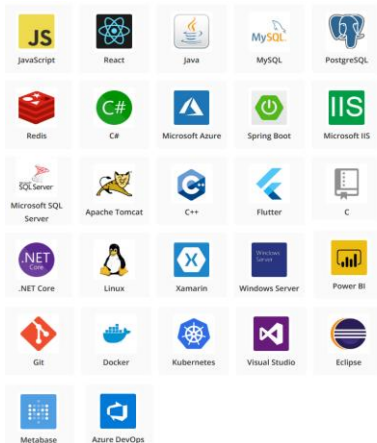
reaven.tech





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.



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

Multibanking - Finance Management API for Trading Software

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

- ❖ Open Banking API (EBICS or HBCI/FinTS or PSD2)
- ❖ Account information Service (Bank or Securities Deposit)
- ❖ Standart Payment initiation
- ❖ Instand Paymment 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

REA VENTURES BİLGİ TEKNOLOJİLERİ SANAYİ
VE TİCARET ANONİM ŞİRKETİ

Gülbağçe Mahallesi GÜLBAĞÇE CAD.
İYTE İzmir Teknopark Inovasyon Merkezi No:1-
40 (A-10) Kapı No:22
35433 Urla/ İzmir / Türkiye

