GIROPRO
powered by *PENGINE*

Overview

of

Features & Stack

PENGINE

GiroPro Features | **IMPLEMENTED**

User Access Management	• Identity Server with Identity Provider
Investor	• Individual Holder or Legal Entity • Investor Roles (Access) • Onboarding (CDD, KYC)
Investor Account	• Investor Account configuration
Contract	• Auto generated for each Investor Account
Product	• Allowed Asset selection • Configure how to trade in Assets
Cost Plan	• Cost per Order type • Percentage and/or fixed amount
Asset	• Stock, Bond, Fund, ETF, Certificate, Option, Warrant, Real Estate • Market
Asset Mix	• Label Asset Mix • Investor Asset Mix
Rebalance Asset Mix	• Per Asset Mix • Per Investor Account • Per Product
Net Asset Value entry	• EndOfDay, Opening, EndOfMonth, ReInvestment • Blind approval
Dividend	• Dividend Payout and Reinvest
Withdraw & Deposit	• Internal/External transfer of units
Orders	• (PERIODICAL) BUY • (PERIODICAL) (PRO RATA) SELL • (IN)DIRECT SWITCH • REFUND • CORRECTION • REBALANCE
Ledgers	• Double-entry Accounting
Corrections	• Order • Net Asset Value
Performance	• Time-Weighted Rate of Return (TWR) • Internal Rate of Return (IRR) • Value Development
Approval	• 4-eyes principle • Blind approval
Backlog	• Workflow • Overview of tasks for Operators

Azure   .NET Core   {...}   Kubernetes   Grafana

PENGINE

GiroPro Features | **IMPLEMENTED**

Banking	• CAMT.053 import
	• SEPA Payout
	• SEPA Direct Debit
Tax Information Disclosure (renseignering) *Currently in development (NLD)*	• RENSAGEG
	• DIVIDWEP
	• EWNLSGEG
Internationalization	• Multi-Legislation
	• Multi-Currency
	• Multilingual
Document Management	• Upload of documents
	• Retention of documents
	• Level of access
Fund Administration *Currently in development*	• Umbrella Funds
	• Market Assets
	• Net Asset Value Calculation
Reports	• Multiple default Reports
AI Data Lake	• Cloud-native Big Data Processing
	• Scalable Data Lake Architecture
	• Excel Report Automation
	• Unified Batch and Streaming Data Processing

GiroPro Features | **TO BUILD**

Collective Pension	• Automatic distribution of deposits
	• Collective onboarding
Lifecycle Management	• Lifecycle phases
	• Financial planning

Technical Overview | **STACK**

Interfaces	• Full API based connectivity
	• OpenAPI Specification (OAS)
Architecture	• Micro-Services (ASP.NET Core)
	• Kubernetes
Security	• Identity Server
	• Ingress
	• Firewalls
Testing	• Fully automated
	• Unit-, Functional-, Integration- and End-to-End Test
Scalability	• Cloud Native
	• Elastic Cloud Storage
	• Kubernetes
Deployment	• Infrastructure as Code
	• Terraforms
	• Continuous Integration, Continuous Delivery
Monitoring	• Grafana
	• OPSgenie

Azure | .NET Core | {...} | Kubernetes | Grafana