InfoSymbolServer Wiki

Welcome to InfoSymbolServer

InfoSymbolServer is a centralized system for maintaining and providing trading instrument data from various exchanges. The primary purpose of this service is to reliably track changes in available trading instruments and promptly notify administrators about these changes.

> **Note**: Notifications are optional. You can run the system without configuring notifications, but you will not receive updates about symbol changes or system issues.

Supported Exchanges

Currently, InfoSymbolServer supports the following exchanges:

- **BinanceSpot**
- **BinanceCoinFutures**
- **BinanceUsdtFutures**

Support for additional exchanges will be implemented in future versions.

How It Works

The system operates on a scheduled basis, performing the following steps:

1. Fetch current instrument data from exchange APIs (currently Binance is implemented)
2. Compare retrieved data with information stored in the database
3. Identify changes (additions, removals, modifications)

4. Update the database to reflect the current state
5. Send notifications to administrators when changes are detected (if notifications are configured)

Project Structure

The project follows Clean Architecture principles with the following layers:

- **Domain**: Contains the core business entities (Exchange, Symbol, Status) and repository interfaces
- **Application**: Houses application services, DTOs, and business logic
- **Infrastructure**: Implements data access, external API clients (Binance) and background jobs
- **Presentation**: Exposes Web API endpoints and handles HTTP requests
- **InfoSymbolServer**: Startup project

Getting Started

To set up the project for development, see the [Deployment](#) page which includes information on prerequisites and configuration.