Jacobi

Connect and automate your process with the Jacobi API

The Jacobi Application Programming Interface (API) enables investment managers to seamlessly connect with the Jacobi platform and enhance their processes. Using the jacobi API firms can:

Connect data

Users have the flexibility to get data in and out of the platform using object-based endpoints or flat file representations. Jacobi's data model combines inbuilt investment-oriented objects and customizable objects to support arbitrary types of data for maximum flexibility.

Perform operations at scale

User actions performed in the platform can be conducted programmatically via the API. This can automate processes such as running models, generating analytics, creating reports and dispatching them to stakeholders. These tasks can be automated to complement and connect with your other systems and processes.

Benefits of the Jacobi API

The Jacobi API offers numerous benefits for investment organizations:

Extensive endpoints

Being API-centric technology means that most actions performed in Jacobi can be performed programmatically via API. This allows you to scale, automate and connect multiple processes, to complement an existing technology ecosystem.

No rate limits or congestion

Jacobi offers each client their own private version of the platform. Unlik in other systems, this allows you to manage your data flows without restrictive rate limits or congestion challenges.

Documentation and validation

The Jacobi API is supported by comprehensive user documentation, training workshops and user examples. Extensive request input validation also helps users understand any invalid requests.

Flexibility for developers

The Jacobi API is a RESTful JSON API following the OpenAPI (Swagger) specification. This means your developer teams can use the API directly over HTTP from any programming language.

Governance and control

API access can be assigned to individual users or service accounts, with all API actions logged. Separate testing, staging and production environments are available to support your development processes.

Integrated with the Jacobi SDK

Jacobi's Python-based Software Development Kit includes a Command Line Interface to easily invoke API methods in shell scripts or from other processes.

Connect, automate and scale processes

Use the Jacobi API to scale and automate processes and to better connect and integrate your investment processes and technology ecosystem. Examples include:

Scaling portfolio optimization

The API is used to run multiple portfolio optimizations at scale, using a custom model created by the client. The resulting optimized portfolios are then used to generate analytics, charts and visualizations, such as comparisons of historical backtests or forward looking analysis.

Bulk custom report generation

The API is used to pull data in from other systems and passed into analysis scripts and visualizations to produce and dispatch customized reports. This can be used to automate product fact sheets, client reports / presentations and internal risk reports.

Automated model evaluation

Any Jacobi or custom model (built in Jacobi via the Python-based software development kit) can be invoked via API with inputs. Model results can then be extracted in different forms including CSV data or as storyboards and charts available as PDF, PPTX and other visual formats.

Connecting portfolio data

Import portfolio data from an arbitrarily complex portfolio tree stored in a portfolio management system. Jacobi's validation and flexible methods for storing portfolio data can help ensure all important data is available for later analysis.

Integrating market data

Time series data was integrated on a mix of market indices on a set frequency, including returns and dynamic index characteristics. Jacobi provides support for many industry standard vendors but data can easily be imported from other sources such as private cloud databases.

Automating ESG data processes

The Jacobi API is used to automate ESG data feeds, incorporating instructions about how data is merged, overwritten or erased. This data is accommodated using Jacobi 'Tables' that allow for flexible data storage, update and retrieval. Custom tools were then created to integrate it into workflows and portfolio construction.

Getting Started

Jacobi investment engineers help to train API users in your organization, supplemented by extensive training resources and technical documentation. API users are typically software engineers or quantitative analysts familiar with coding languages. Jacobi offers a variety of readily available API client options, enabling users to swiftly integrate code with ease. For clients with limited developer resources, Jacobi engineers are also on hand to perform data management and other custom services, including creating custom API endpoints.

About us

Jacobi was founded in 2014 with a vision to transform multi-asset portfolio design, management and engagement. Jacobi provides its services to top-tier investors across the globe with a client base who represent assets under management of over US$7 trillion. Jacobi is headquartered in San Francisco and has offices in Australia and the UK.

Our clients include

MFS · T.RowePrice INVEST WITH CONFIDENCE · wtw · LGIM · JANA DEPTH WITH DIFFERENCE

Get in touch

For more information on Jacobi's highly customizable technology to support the scaling of investment processes and client engagement.

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