

Thurgauer Kantonalbank and apiD

Reference and market data interface for risk management

SIX Financial Information integrated the apiD interface into the Avaloq banking system to give Thurgauer Kantonalbank seamless access to its reference and market data. The expanded interface offers the client a highly modular market data solution in Avaloq with automatic feeds and flexible management of market and securities data. As a result, the bank is able to better handle risk management requirements.



Thurgauer Kantonalbank (TKB) has been firmly established in the canton of Thurgau for 140 years. TKB is a universal bank which focuses on standard banking services, real estate financing, corporate financing and private banking. Since its foundation, TKB has acquired a leading position as a reliable finance partner for private individuals, small and medium-sized enterprises, institutions and the public sector. Its 30 branches give the bank a particularly strong local presence. Thurgauer Kantonalbank is the ninth-biggest of Switzerland's 24 cantonal banks.

Background information

After migrating to the Avaloq banking system in 2008, TKB saw the need to switch part of its risk management activities over to the new core banking system. This entailed a number of new requirements related to market data, such as the integration of historical prices. TKB also recognized that the existing interface to the Avaloq banking system was no longer able to satisfy the new technical requirements.

Interface and data from a single source

Thurgauer Kantonalbank therefore decided to introduce a more powerful interface and obtain market and reference data from a single supplier. In view of its existing successful working partnership with SIX Financial Information in the area of corporate actions, reference data and displays, the bank chose the same company to provide a comprehensive solution. SIX Financial Information was able to meet all the bank's requirements in terms of the interface, while its expertise in market and reference data as well as in development and project management were also convincing arguments in its favor.

Clients profiting from the Partnership with Avaloq

SIX Financial Information and Avaloq have been working together on the implementation of customer projects for many years. The apiD interface to the Avaloq banking platform with access to market data has been successfully expanded for TKB's middle office functions. Therefore, users of the Avaloq

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Flurin Schenkel, Head of Investment and Financial Planning Product Management, Thurgauer Kantonalbank



banking system will benefit from a much shorter implementation period, since the interface and data from SIX Financial Information are already fully adopted to the Avaloq core banking system.

Efficient risk management

The first stage of the project consisted of implementing SIX Financial Information's highly modular apiD interface. Prices for a specific portfolio are fed into the system at one-minute intervals. Risk values such as volatility, beta, gamma and vega, as well as historical end-of-day (EOD) prices from SIX Financial Information, are also imported to the Avaloq banking system. One of the client's requirements was the adjustment of EOD prices, which SIX Financial Information was able to provide by including a price check feature. As a result, the client can flexibly manage the data loading frequency and the selection of securities and stock markets. In addition, the origin of the data is now fully transparent from beginning to end and new market data can easily be added or removed.

Added value for the client

Thurgauer Kantonalbank is very pleased with the implementation of the project: "The new comprehensive solution means we can obtain SIX Financial Information market and reference data from a single source," explains Flurin Schenkel, Head of Investment and Financial Planning Product Management at Thurgauer Kantonalbank. "This brings us numerous advantages and ensures data consistency. Also, we are now able to manage market data throughout the entire banking system."

apiD from SIX Financial Information

apiD is a highly modular program interface for the configuration of versatile solutions based on SIX Financial Information's comprehensive securities database and real-time prices. Open technical interfaces for the supply and integration of data significantly accelerate the development cycles. The platform is based on Java and XML industry standards and can be quickly implemented into the internet, intranet or mobile environments. Reference and market data can be fed in easily via this interface.

New deliverables of the apiD interface:

- Implementation of a near real-time price interface and delivery of prices at one-minute intervals for a specified portfolio
- Delivery and integration of risk values such as volatility, beta, gamma and vega via interface
- Delivery and integration of historical EOD prices as well as currencies and interest rates via interface
- Implementation of a price check tool to adjust EOD prices by "default" and "trading"

Benefits for the client:

- Cost-effective project implementation thanks to adaptable standard interface using state-of-the-art technology
- Efficient risk management in the Avaloq Banking System
- Fast, customized data delivery
- High data consistency
- Easier data monitoring
- Complete flexibility for data loading and selecting securities and stock exchanges
- One-stop shop: interface and data from a single source

For more information, please contact your local SIX Financial Information office and a representative will be happy to assist you.

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