



TRAVIC-Payment-Client-API

The library for multi-bank capable services

Nowadays, operators of a financial portal want to give their customers a 360 degree view of their accounts. TRAVIC-Payment-Client-API supports you in this.

Overview

TRAVIC-Payment-Client-API offers a single business interface enabling the use of the services described in the PSD2 at over 2500 financial institutions in Germany. In addition to PSD2-regulated payment accounts, other account types can also be queried, meaning that TRAVIC-Payment-Client-API enables easy connection to more than 110 million customer accounts.

The product can be integrated as a library in an application or provided centrally on-premises as a service. PPI also offers the functionalities of TRAVIC-Payment-Client-API as a software as a service (SaaS).

Target group

TRAVIC-Payment-Client-API is of interest to all players in the financial services sector who act as a third-party provider in accordance with the PSD2 and do not want to deal with the complexities of communication protocols.

Such parties are, for example:

- Financial institutions that want to offer their customers a centralised view of their accounts, including accounts at other institutions
- FinTechs that focus on value-added services and play to their strengths
- Insurance companies that want to offer their customers products and present them with savings potential, e.g. by analysing transaction data

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Multi-bank capability made easy

Application scenarios

In addition to multi-bank capability, which, for example, can be added to a portal with the help of the API, other application scenarios are conceivable. For example, a financial institution in the role of a third-party provider (TPP) could offer online retailers an alternative payment channel using the PSD2 services. In this scenario, the online customer would be directed by the retailer to the TPP, which in turn prompts the customer to make a payment on behalf of the online retailer. To execute this, the TPP uses TRAVIC-Payment-Client-API and the associated payment initiation services of the online customer's financial institution. After the payment has been made, this is communicated to the online retailer.

Benefits

TRAVIC-Payment-Client-API offers key benefits:

1. An application which uses this API benefits from a single, channel-independent business interface. That way, protocol-specific characteristics are hidden behind a facade.
2. The functionalities required for multi-bank capable access to third-party financial institutions are encapsulated in an external product for which PPI provides maintenance and support.
3. The operator of the portal can operate or use the API in different ways (library / service on-premises / SaaS hosted at PPI).
4. As a service, the API can be provided centrally and is thus reusable and scalable.
5. The API is multi-client capable and thus manages bank access and cryptographic keys per client.

Use cases

In its current version, TRAVIC-Payment-Client-API can be used for the following use cases:

Account information service (AIS)

- Querying financial institution lists
- Querying balances
- Querying transaction data
- Requesting account information

Payment initiation service (PIS)

- Submitting payments
- Querying the status of a payment

Characteristics of the API

- The API is stateless.
- The API offers a unified business interface for the mentioned use cases.
- All performed activities are logged by a special audit logger for verification purposes.
- Sensitive data such as PINs, TANs or passwords can be stored in encrypted form, logged and kept in the memory. A decryption only takes place directly before use.
- Additional clients can easily be added without high administrative effort.

Third-party financial institutions

TRAVIC-Payment-Client-API enables communication with over 2500 banks and institutions in Germany. This corresponds to approximately 110 million online customers whose accounts can be connected via the API.

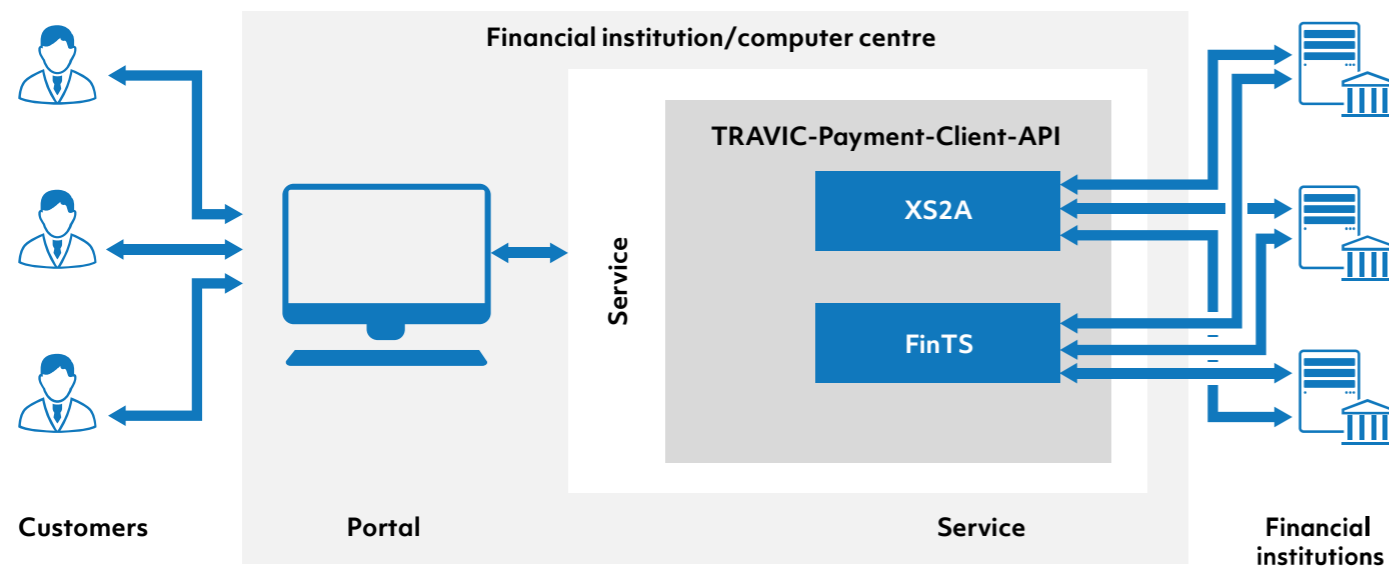
System requirements

TRAVIC-Payment-Client-API can be used as a service or as a Java library (at least Java 8). As library, it can be integrated into any Java application.

A (network) file system for configuration files is required for horizontal scaling.

A database connection for effective management of bank accesses is recommended.

A JDK with implementation of the RSASSA-PSS algorithm or a corresponding JCE provider (e.g. Bouncy Castle) is required.





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