Instant Payment Screening Service

Learning system for real-time screening against leading data providers

Pythagoras Instant Payment Screening Service, IPSS for short, compares your payment data with reference data from leading providers and decides in real-time (<1/100 secs) whether a payment may be executed. The software has a sophisticated procedure to evaluate payments in a high-performance and fail-safe manner and to send a response via web service. We can look back on many years of experience in 24/7 operation. Independent of your banking system, the screening is carried out via a web service that supports well-known payment formats such as PACS008. Furthermore, the software is a learning system - it recognises recurring transaction partners and continuously monitors them for changes through reference data. Numerous configuration options and intelligent algorithms enable highly precise real-time decisions to reduce the false-positive rate to a minimum.

PYTHAGORAS

The Advantages of Instant Payment Screening

SECURE
High data security through local installation

RELIABLE
Built in an architecture that guarantees 24/7 day availability

SCALABLE
Designed for a high number of transactions, the system can be scaled easily

PERFORMANT
Screening and response to the payment system in under <1/100 seconds*

TRANSPARENT
Transparent screening rules, configurable according to your requirements

EFFICIENT
Storage of decisions. No need to repeatedly check recurring partners

TRACEABLE
Complete audit trails and tamper-proof history

DATA-NEUTRAL
Reference data obtainable from several leading providers

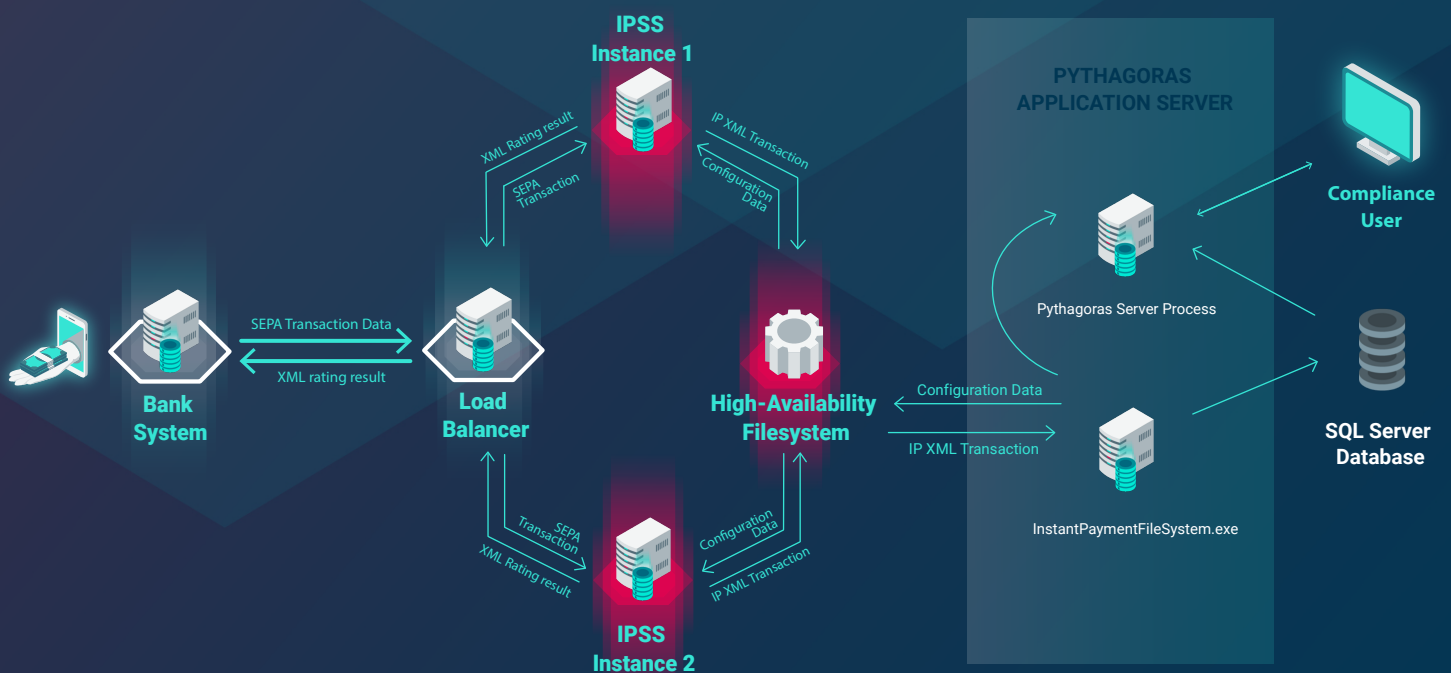***depending on the IT infrastructure**

Functions

SCREENING
SEPA - real-time payments against reference data

MATCHING
In <1/100 seconds, depending on the IT infrastructure

INSTANT
Mobile and online payments

HIGH TRANSACTION VOLUMES

PRE-SCREENING
For approval before bank releases payment

POST-PROCESSING
Review warnings that led to rejected payments later and option to whitelist them

AVAILABILITY
High performance file system stores configurations, indexes and ratings

SCALABILITY
With load balancer and multiple IPSS instances

FLEXIBILITY
Many options to configure screening rules and data selections (e.g. Sanctions only)

IMPORT FORMAT
Developed for standard payment format ISO 20022 pacs008, other formats possible

PROVEN TECHNOLOGY
Use of Microsoft IIS and Windows Services, MSSQL databases, XML file exchange

YEARS OF EXPERIENCE
Working for major European banks for 3 years, 15 million transactions screened

FAST RESPONSE TIME
Average processing time based on real life system: 130 ms

Process Overview

Pythagoras Instant Payment Screening Solution offers a high-performance, high-availability solution to screen transaction partners and instruct the corresponding banking system whether a transaction should be executed. The software basically consists of two parts, an application that is used by compliance staff to process partners & KYCC and the high availability area, which can be operated independently of the application and thus does not require any cost-intensive components from an infrastructure point of view.

The integration with the Pythagoras solution Transaction Monitoring brings further useful advantages for a holistic overview of all transactions.

POST-PROCESSING OF ALERTS
Apart from the configurational part, the processing of IP hits and IPKYCC ratings are both done in the Pythagoras Partner Screening application.

Users can review the information of the transactions and its partners, process the hits and apply a rating to each IPKYCC. This rating is than transferred to IPSS which considers the new rating for future transactions.