FinMApp

Seamless, secure, and smart automation

FinMApp revolutionises financial transaction management for financial institutions, asset managers, and enterprises by offering a sophisticated integration platform that provides seamless, secure, and efficient communication between your enterprise systems and the financial ecosystem. Whether leveraging Broadridge's Swift service, operating as a SaaS or on-premises solution, FinMApp empowers businesses to streamline operations, maintain regulatory compliance, and focus on core business activities with precision and ease.

Why choose FinMApp?

The complexity of automating and managing transaction flows, processing transactions across multiple systems, and facilitating communication with various counterparties can be overwhelming. FinMApp addresses these challenges with:

- Seamless automation of transaction flows
- Real-time monitoring and exception handling through a robust web interface
- Comprehensive, user-friendly reporting for better decision-making
- Complex transaction authorisation possibilities
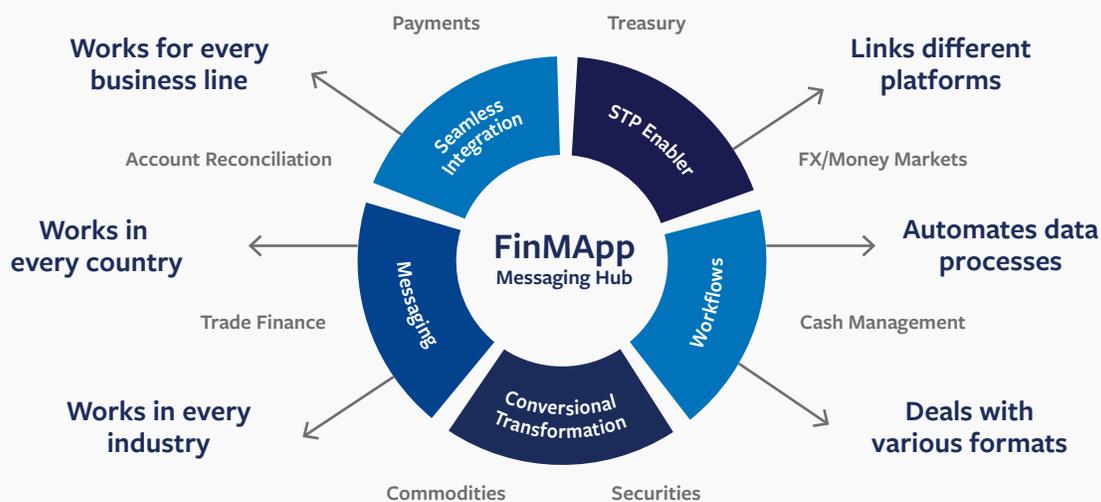- Full ISO 20022 support

FinMApp's distinctive benefits

Our innovative system and data-agnostic approach offer exceptional adaptability and performance, demonstrated through:

- Tailor-made workflows, precisely adapted to client requirements, are delivered quickly and independently of the standard release cycle
- Ability to influence the flows via customisable configuration tables uploaded through a web interface, reducing the dependency on implementation
- Multi-format platform compatibility with all recognised financial industry standards
- Exceptional stability, achieved through nightly coverage of the full set of transaction flows.

FinMApp ecosystems

FinMApp is designed to work in a variety of landscapes, allowing you to tailor the platform to align with the objectives and requirements of your organisation. The FinMApp application was originally designed to work mainly with the Swift ecosystem, supporting all of its standards and flows, including ISO 20022 and Swift, leveraging its key benefits such as global reach, standardisation, cost-effectiveness and regulatory compliance. However, FinMApp can also operate independently of Swift,

Fig. 1 FinMApp Messaging Hub

using other protocols such as EBICS. This enables direct communication with counterparties and seamless integration with your enterprise systems.

Leveraging Broadridge's global Swift shared infrastructure with FinMApp

Broadridge provides secure and efficient access to the Swift network, helping clients avoid the complexities and high costs of establishing and maintaining a direct connection. Broadridge also guides clients through the Swift onboarding process. Broadridge manages the infrastructure, connectivity, compliance, and security on behalf of clients, enabling them to focus on their core activities while ensuring seamless, compliant, and effective communication with counterparties.

FinMApp as a SaaS solution

This option allows clients to leverage FinMApp's integration and automation capabilities while being hosted on Broadridge's secure infrastructure. The transactions are processed in FinMApp, and then sent back to the client, where they are routed to the respective downstream systems. This solution is especially suitable for companies that already have Swift communication in place and are seeking additional services and value as outlined above.

FinMApp as an on-premises solution

FinMApp can also be used independently of Broadridge's infrastructure. It can be installed and operate on hardware owned and managed by the client, allowing for internal management and operation of the software solution. This solution is ideal for enterprises that require complete control over data security and privacy, especially in cases where compliance with certain standards cannot be achieved otherwise.

The FinMApp architecture

The FinMApp application is a state-based transaction processing application. It consists of two main components – the codebase, and the configuration. The codebase contains pre-built modules for main business functionalities as well as pre-built pieces of code focused on a single task, from which the state-

based application diagram is formed. This is closely tied to the configuration, where these pieces of code form configuration elements as actions, choices or triggers, from which the flow is built almost in a 'Lego-style' powerful visual configuration composer tool. This means that custom features can be easily implemented without influencing the core functionality, contributing both to system stability and extremely short turnaround times.

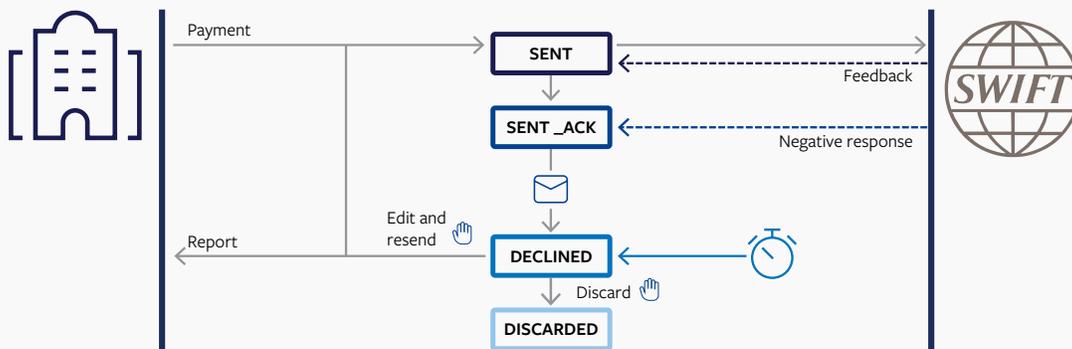Fig. 2 Custom Implementation with FinMApp

Your custom implementation

How FinMApp processes your data

Simple flow

Let's start with a simple data flow, basically just an example of very basic payment processing.

- A payment transaction arrives from the downstream system and is seamlessly sent to the Swift network. Its state is 'SENT' (seamless transition).

- The payment gets an acknowledgement from Swift that it has processed the message. Its state is now 'SENT_ACK' (seamless transition).

- If a payment is declined by a counterparty, a specific response message is received and matched to the original transaction in FinMApp. The transaction status is then updated to DECLINED, and an email notification is sent (seamless transition and raised notification).

- The payment can be manually edited directly in FinMApp and resent, or discarded (manual action).

- At the end of the day, a list of all messages in state DECLINED is exported to a downstream system (data export).
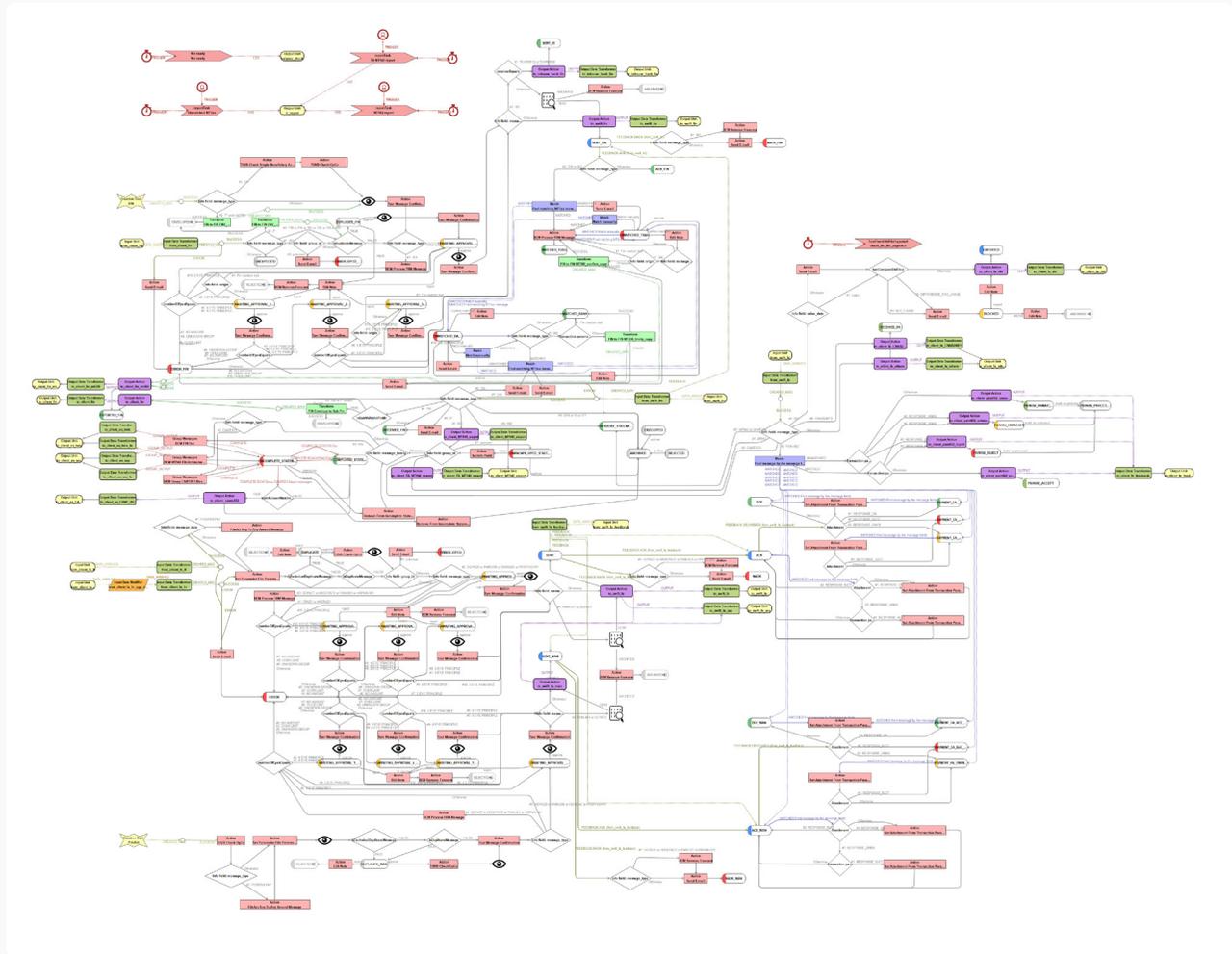
Fig. 3 FinMApp Data Processing Flow

Real-life flow

FinMApp offers a wide range of capabilities. A complete client workflow can be constructed using modular components, each functioning like a 'Lego piece' which is tailored to meet the customer's business equirements, all powered by Broadridge.

Fig. 4 Real-Life Workflow Powered by FinMApp

Broadridge Financial Solutions (NYSE: BR) is a global technology leader with trusted expertise and transformative technology to help the financial services industry operate, innovate, and grow. We power investing, governance, and communications for our clients – driving operational resiliency, elevating business performance, and transforming investor experiences.

Our technology and operations platforms process and generate over 7 billion communications per year and underpin the daily average trading of over $15 trillion of equities and fixed income trades. A certified Great Place to Work®, Broadridge is part of the S&P 500® Index, employing over 15,000 associates in 21 countries.

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