Payments Hub

Factsheet

Aquila Messaging Hub

The Messaging Hub is a comprehensive solution that offers a single dashboard for centralised control over both inward and outward messages. It provides a highly efficient way to manage message communications. With its detailed audit trail, all changes made to messages and parameters can be easily tracked.

The system also ensures granular user access control, allowing administrators to precisely control user permissions and modifications for outward messages at the sub-field level. Moreover, the Messaging Hub maintains the industry-standard message formats, ensuring compatibility and compliance with established messaging protocols.

Message Transformation

The Message Transformation feature of the Messaging Hub offers seamless message integration by facilitating the conversion between different message types. Specifically, it enables the conversion of MT (Message Type) to MX (ISO 20022) format and vice versa.

Automated Payment Processing Options

Aquila offers robust support for automated payment processing with core system integration across a range of formats, including standards such as:

- SWIFT MT
- SWIFT MX
- CHAPS
- Bacs
- Fedwire
- FedNow
- SEPA
- SEPA Instant
- T2
- TIPS
- NPP
- SLIPS
- Elixir
- Sorbnet
- Nacha
- Internal formats

Features include:

- Checking account status and balances through APIs to verify account validity, balances and overdraft facilities.
- Booking payments and charges into core systems using core system APIs, supporting different currencies and multiple fee accounts.
- Generation of outward settlement messages, including SWIFT gpi compliance and production of tracker confirmations using MT199, trck.001 or the SWIFT Universal Confirmations API.
- Reject processing via pacs.002 messages.
- Return processing via pacs.004 messages.
- Comprehensive audit trail for tracking payment processing activities.

Automated Process Options

Aquila provides the following optional automated processes:

- Duplicate checking of inward and outward messages.
- Restricted country and currency checking for inward and outward messages.
- Integration with the bank's chosen sanctions checking solution provider.
- Integration with the bank's chosen AML checking solution provider.
- Confirmation of Payee (CoP) checks using the bank's chosen CoP checking solution provider.
- FATF16 checking to ensure beneficiary party names on payments match core system account names.
- Checking for cover of instructions received from non-correspondents to ensure payment coverage.
- Automated generation and audit of correspondent charges received.
- Automated settlement and audit of correspondent charges paid.

Manual Payment Processing Options

Aquila supports manual payment processing for specific types such as internal transfers or correspondent payments. Manual payment scenarios include:

- Repairing failed STP (Straight Through Processing) electronic payments by viewing the reason for failure in the message audit trail and manually accepting or rejecting the payment.
- Inputting new payment requests, including one-off transactions (e.g., customer letters, in-branch transfers) or from standing instruction templates.

Payment Orders

Aquila offers versatile options for payment orders, allowing customization based on specific types such as internal transfers or correspondent payments. This flexibility is achieved by selecting the appropriate sub-service within the system. The solution supports the automatic creation of periodic payments through the configuration of standing orders and direct debits and also provides the capability to manually create ad-hoc payments using standing instructions templates.

Message Masks

Aquila allows the definition of message masks to simplify complex messages. Users can define masks to show only relevant details, reducing unrequired and ambiguous fields. Context rules and default values can be defined based on the sub-service of a message. This feature greatly increases message checking and processing times.

Exceptions / Alerts

Exceptions and specific alerts can actively be managed within Aquila's Incident Management processing. It is also possible to configure notifications via email or SMS depending on the level of licensing.

Simple, Seamless, Secure.

Revolutionise your payment processes

About Aqua Global

Aqua Global was founded in 1983. For over 43 years Aqua have been assisting FI's to fully automate their transaction lifecycle by providing seamless, secure and robust message automation.

Headquartered in London with support hubs in Poland and global business partners, Aqua have supported clients in over 30 countries around the world.

Our solutions support real-time operations, regulatory compliance, and scalable automation. We focus on building long-term partnerships, tackling complex operational challenges, and providing reliable, high-performance systems that assist our clients every day.

Centralised Orchestration

- Message Management
- ISO 20022 Processing
- Payments
- Treasury
- Securities
- Reconciliations
- Matching
- Incident Management
- Cash & Liquidity Management

For more information, visit
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