

Solution Overview



For more information

IBM Expert Labs – Commercial Payments
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Support and services

Support, maintenance and subscription provided as an ongoing annualised service.

On site services available for installation, education and configuration of the solution.

IBM can provide a highly available solution comprising entirely of IBM supplied and supported components covering hardware, operating systems, database, middleware, integration broker and messaging components.

IBM uses a global, blended delivery approach to minimize risk and manage timeline, responsibilities and costs.

Evolve with your needs

Progress to the next level of skill and expertise with the assistance and direction of IBM experts. Our professionals work alongside you to help improve your ability to respond to opportunities.

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IBM App Connect Enterprise Solution for ISO 2022 Messaging

IBM App Connect Enterprise SupportPac IAMC

A Global Standard Language for Financial Transactions

Technological development, competition, industry disrupters, regulatory requirements and changing consumer demands have led to the need to significantly modernise, enhance and standardise financial messaging infrastructures.

ISO 2022 provides the framework and methodology for the development of XML based financial messaging standards. ISO 2022 based financial messaging allows complete data to be transmitted end-to-end in ISO 2022 based market infrastructures and between financial institutions using ISO 2022 based financial messaging. This allows the provision of consistent experience for customers and supports increased consumer, compliance and reporting demands.

Market infrastructures utilise concrete implementations of financial messaging standards which are derived from the ISO 2022 framework and methodology. Implementations of ISO 2022 for financial messaging include SWIFT Standards MX, TARGET2 Securities and TARGET2 Consolidation from the European Central Bank. More are expected in the coming years as market infrastructures consolidate on modernised standards and move away from proprietary and legacy messaging formats.

Financial institutions need to continually invest millions of dollars annually to keep pace with standards changes. The result is that back-end applications, front end applications and integration hubs need updating to handle changing message formats and rules.

Financial institutions need to reduce the time and cost associated with manual intervention in financial messaging. Having a centralized message transformation, enrichment and validation process can be of significant benefit to all financial messaging applications in the enterprise.

Employing an integration broker-based architecture provides the capability to isolate applications from changes to message content and the flexibility to introduce enterprise-wide industry message models.

IBM App Connect Enterprise Solution for ISO 2022 Messaging

The IBM App Connect Enterprise Solution for ISO 2022 Messaging enables IBM App Connect Enterprise for parsing, validation, processing (including transformation) and writing of ISO 2022 messages.

In this release of SupportPac IAMC, support is provided for SWIFT MX message types. The solution has been designed to allow extensibility for additional standards content in line with industry developments and client requirements.

Leverage the IBM Advantage

The solution components, available and fully supported on platforms such as IBM AIX, IBM z/OS, Linux and more, facilitate the rapid integration of enterprise applications into the financial messaging eco-system. The details of message transmission and message syntax are abstracted allowing development teams to focus on the delivery of business value.

Contact

For further information on the IBM App Connect Enterprise Solution for ISO 2022 Messaging contact IBM Expert Labs – Commercial Payments at dubadsup@ie.ibm.com.



Financial Messaging EAI

Financial message applications can have many common requirements, for example, gateway access, auditing, warehousing, message filtering, content monitoring and database access are all common functions across many financial messaging applications.

An integration broker architecture helps meet these requirements in a manner which facilitates the reuse of these common functions. It can also facilitate the various applications by routing only the appropriate messages to each application using content-based rules.

SWIFT Standards MX Solution Features

Standards Metadata

- Delivers an IBM App Connect Enterprise pattern implementation containing SWIFT MX schemas, allowing the generation of custom libraries containing subsets of message types for use with IACE.
- Provides support for SWIFT Standards MX Release 2024 and earlier versions of the message types contained therein.

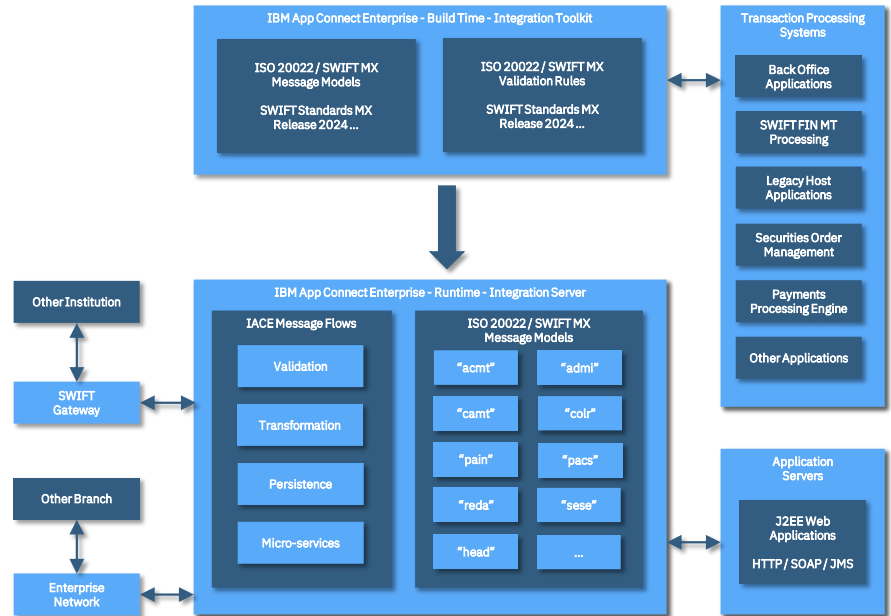
Generic Validation

- BIC, currency and country code validation for all SWIFT MX message types ⁽¹⁾.
- ISO 20022 External Code Set validation for all SWIFT MX message types in accordance with ISO 20022 External Code Set requirements; optional, supporting the use of wild cards to allow flexible implementation ⁽²⁾.

Sample Message Flows

- Sample message flow illustrating use of the validation components in IACE.
- Sample message flows illustrating the construction of SWIFT MX message instances using ESQL in IACE.

Architecture



Technical Advantages

- Support for IBM AIX, IBM z/OS, Linux, Windows and other platforms supported by IBM App Connect Enterprise.
- Benefits from the robustness and scalability of IBM App Connect Enterprise.
- Accelerates annual application maintenance.
- Messages are parsed into an easy to manipulate logical element hierarchy, the integration broker common message model.
- Message structures recognisable and consistent with SWIFT MyStandards and MyStandards Base Libraries (MBL) content.
- Allows for full XML schema validation of SWIFT MX message types.
- Implements External Code Set validation per ISO 20022 requirements.
- Implements IBAN check digit validation in line with specification EBS 204 V3.2 (2003).
- Comprehensive validation helps improve application quality, reduce development costs and reduce transaction and intervention costs.

⁽¹⁾ Requires a SWIFT BIC directory product with BIC, currency and country data, or equivalent data source.

⁽²⁾ Requires External Code Set data available from iso20022.org.

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