

IBM Integration Bus Solution for SWIFT FIN Messaging (DFDL Edition) IBM Integration Bus SupportPac IAMB

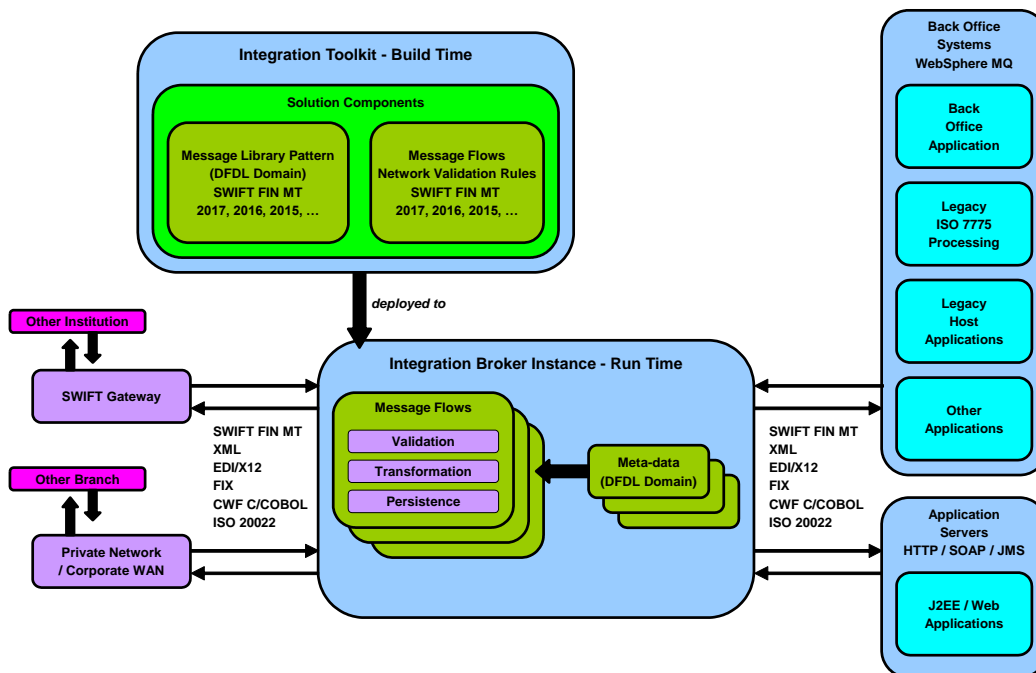


The IBM® Integration Bus Solution for SWIFT FIN Messaging enables IBM Integration Bus for parsing, processing (including validation) and writing of SWIFT FIN MT messages and provides SWIFT Network Validation equivalent in IBM Integration Bus. The solution provides significant acceleration in the development of SWIFT integration solutions.

Highlights

- Enables SWIFT FIN MT message processing on IBM Integration Bus 9.0 and 10.0 (including Express editions).
 - Provides SWIFT FIN MT syntactic and semantic validation equivalent to SWIFT network validation.
 - Message model implemented using Data Format Description Language (DFDL*) annotations for SWIFT published MT-XML schemas.
 - Delivers logical data structures consistent with SWIFT MyStandards and MyStandards Base Libraries (MBL) content.
 - Recognisable logical data structures with additional DFDL annotations describing the native (non-XML) format characteristics required to support message parsing and serialization.
 - Available for SWIFT FIN MT standards releases 2015, 2016, 2017 and subsequent years.
 - Reduces the impact of SWIFT FIN MT annual changes through delivery of annual updates in line with SWIFT standards updates.
 - Support, maintenance and subscription provided as an ongoing annualized service.
 - On site services available for installation, education and tailoring of the solution to customer needs.
- * DFDL is an open standard from the Open Grid Forum.

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The SWIFT network is a key piece of infrastructure in world finance and is the principle means by which financial institutions communicate and transfer money. As business needs change, and the scope of business function covered by SWIFT grows, the SWIFT message standard also changes.

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.

The goal of most financial institutions is to reduce the time and cost associated with manual intervention in SWIFT messaging. Having a centralized message transformation, enrichment and validation process

can be of significant benefit to all SWIFT applications in the enterprise.

Employing an integration broker based architecture provides the potential for isolating applications from changes to message content and the flexibility to consider the introduction of an enterprise/industry message model should that be appropriate.

SWIFT applications can have many other common requirements. For example, gateway access, auditing, warehousing, message filtering, content monitoring and database access are all common functions across many SWIFT applications.

An integration broker architecture promotes the solving of these issues 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.

For an integration broker to provide the above benefits in a SWIFT messaging environment it needs to be capable of parsing, validating, enriching, mapping, routing, persisting and serializing the contents of SWIFT FIN MT messages.

The IBM Integration Bus Solution for SWIFT FIN Messaging enables this capability for IBM Integration Bus by providing a DFDL message model for rolling releases of the SWIFT FIN MT standard. In addition, the solution provides a validation plug-in and supporting message flows which implement runtime validation equivalent to SWIFT Network Validation.

Typical integration projects built using IBM Integration Bus involve the development of two types of key components:

- A message model, which contains the meta-data necessary for the integration broker to parse, manipulate and serialize the messages.
- Message flows, which provide routing, transformation, database access and manipulation logic on the parsed message contents.

An IBM Integration Bus pattern implementation delivered with the solution allows the creation of custom DFDL message model libraries each containing a selected subset of SWIFT FIN MT definitions. This keeps libraries small and efficient to work with.

These features provide significant acceleration in the development of SWIFT integration projects.

Message flows are often developed to transform messages from SWIFT FIN MT to in-house or other standard formats. Transforming to a default XML representation requires virtually no development effort using IBM Integration Bus and the IBM Integration Bus Solution for SWIFT FIN Messaging. Other message formats and specific XML representations require transformation message flows.

Technical Advantages

- Native to IBM Integration Bus and therefore available and supported on all platforms supported by IBM Integration Bus.
- Supports all IBM Integration Bus editions including Express edition.
- Benefits from the robustness and scalability of IBM Integration Bus.
- Removes the time intensive job of reading the SWIFT Standards MT documentation and defining and maintaining message models.
- Messages are parsed into an easy to manipulate logical element hierarchy, the integration broker common message model.
- Logical structures recognisable and consistent with SWIFT MyStandards and MyStandards Base Libraries (MBL) content.
- Users are shielded from the technical format complexities of the SWIFT FIN MT physical format.
- Implements validation rules equivalent to SWIFT Network Validation.
- Implements IBAN check digit validation in line with specification EBS 204 V3.2 (2003).
- Comprehensive validation helps improve application quality and reduce transaction and intervention costs.

- Purchasers of the IBM Integration Bus Solution for SWIFT FIN Messaging receive one year's support, maintenance and subscription service. Support, maintenance and subscription are renewable following the first year.
- The SWIFT FIN MT metadata and validation rules will be updated annually in accordance with SWIFT Standards MT changes and delivered under the subscription service.
- Additional services can be offered to facilitate the development of other transformations and Message Flows.



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