

# Informatica SWIFT Alliance Gateway Solution

## Delivering Faster, Better Integration for High – Value SWIFT Alliance Gateway Adoption

Informatica SWIFT Alliance Gateway Solution is based on Informatica B2B Data Transformation, enterprise software for complex-data transformation, and enables SWIFT gateway providers to help their clients reduce time, complexity, and costs for SWIFT Alliance Gateway operations and communications.

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### BENEFITS:

- Access complex data from any source
- Transform complex data into a SWIFT-compliant format and vice-versa
- Make complex data available to consuming applications cost-effectively

### The solution provides three main components

- Informatica Data Transformation Studio, an Eclipse-based visual development environment that enables IT personnel to define and deploy complex data transformations without the exorbitant time and cost of custom development;
- Informatica Data Transformation Engine, an embedded run-time engine that provides high-throughput execution across a wide range of infrastructure platforms and applications;
- Informatica Data Transformation Library for SWIFT, a comprehensive library of pre-built
- SWIFT transformations that enables all types of SWIFT message formats to be created or parsed automatically.

Together, these integrated components power a solution for accessing complex data from any source, from legacy to unstructured or semi-structured content; transforming it into a SWIFT-compliant format and vice-versa; and making it available to consuming applications cost-effectively.

### The SWIFT Standard and the Integration Challenge

Financial institutions worldwide are looking for ways to advance interbank communications and straight through processing (STP) of their pre- and post-trade execution and cash management data to save costs, reduce operational risks, and improve customer service. While the SWIFT standard plays a vital role in such efforts, its full and effective adoption can be a complex and challenging process. To help their customers achieve true STP, SWIFT Alliance Gateway providers need to deliver solutions that allow the efficient integration of SWIFT messages into proprietary applications and back-office legacy interfaces, while remaining current with the latest SWIFT messaging standards.

### SWIFT Standard Evolution and Migration

With new updates introduced each year, SWIFT Alliance Gateway providers face a constant challenge maintaining compliance as the SWIFT messaging standard evolves. This challenge will continue to grow with the migration to ISO 20022 (also known as ISO 15022 XML and ISO 15022 Second Edition), a common platform for the development of messages in a standardized XML syntax. SWIFT will use ISO 20022 for new work in funds management and for new products and services, while continuing to maintain ISO 15022 in the short term for post-trade activities. For gateway providers and clients alike, this migration introduces new complex data integration issues that will slow adoption, cause spikes in ongoing communications, and increase operational costs.

## CHALLENGE

A regional German bank needed to be able to handle additional extensions of the ISO15022 standard. The Bank's SWIFT Alliance Gateway provider turned to Informatica.

### Requirements

- Integrate with an existing real-time risk management application framework with a Microsoft® Excel front-end
- Parse and validate message files of up to 50Mb at a time
- Generate Excel files containing a subset of message data within minutes

## Solution

- Use Informatica Data Transformation Studio to filter the base ISO15022 MT536 data definition to adhere to application specifications
- Use Informatica B2B Data Transformation to generate an Excel file representing the modified MT536 structure
- Create, test and deploy two Informatica B2B Data Transformation transformations: one to parse MT536 structure, and a second to serialize this structure into Excel
- Deploy the resulting Informatica B2B Data Transformation transformations to the bank's existing SWIFT Alliance Gateway infrastructure

## Outcome

- The bank gained the ability to parse and validate incoming file-based MT536 data, filter the needed data, and write it directly into the Excel file used by their risk management application framework
- With end-to-end processing time for statement messages measured in tens of milliseconds, even the largest daily files could be processed in minutes

## SWIFT Message Integration with Middleware and Back-Office Systems

For member banks and other financial institutions, the integration of existing systems to SWIFTNET and the conversion of other data standards can consume a disproportionate share of operational costs. For SWIFT Alliance Gateway providers, integration with a customer's back-end processing systems poses an initial barrier to customer adoption, and leads to unnecessarily high costs over time as the provider must maintain multiple proprietary interfaces across its customer base.

### Lowering the Cost and Speeding Deployment of SWIFT Alliance Gateways

The Informatica SWIFT Alliance Gateway Solution offers SWIFT Alliance Gateway providers a pre-built, comprehensive SWIFT transformation library combined with Informatica B2B Data Transformation, the leading software for complex data transformation. Gateway customers can access complex data from any source – from legacy to unstructured or semi-structured content – transform it into a SWIFT-compliant format and vice-versa; and make it available to systems throughout the organization.

Informatica B2B Data Transformation, the industry-leading software for complex data transformation, includes three software

components: Informatica Data Transformation Studio, an easy-to-use graphical user interface that automates the creation of complex data transformations; Informatica Data Transformation Engine, an embedded run-time engine for executing transformations across all leading middleware platforms in real-time, and provides comprehensive and flexible event logging and reporting; Informatica Data Transformation Libraries, a comprehensive library of pre-built transformations that address an array of industry standards. The result is rapid development and deployment of complex data transformations and a significant lower cost of ownership from traditional approaches.

### Competitive Differentiation for Gateway Providers - Greater SWIFT Benefits for Their Customers

The value of the Informatica SWIFT Alliance Gateway Solution is extended through the Informatica SWIFT transformation library. Unique in the complex data transformation marketplace, this comprehensive set of pre-defined transformations enables SWIFT Alliance Gateway providers to improve competitive differentiation, reduce the cost of on-boarding new customers, and expand their services by quickly adding new formats to the gateway.

Informatica B2B Data Transformation leverages existing IT infrastructure as an add-on to all major middleware platforms, including:

- Informatica PowerCenter
- Native OS environments
- IBM WebSphere
- Oracle Fusion Middleware
- J2EE Applications
- SAP NetWeaver
- Microsoft BizTalk
- webMethods
- Microsoft .NET

Financial institutions, in turn, benefit through the reduced cost and risk of adopting the SWIFT Alliance Gateway Solution as well as faster time-to-deployment. Informatica's SWIFT transformation library, coupled with Informatica B2B Data Transformation's visual development environment, facilitates the rapid deployment of any-to-any transformations between the SWIFT Alliance Gateway and existing systems. Over time, the Informatica solution lowers operational costs for gateway customers by simplifying and automating complex data transformations.

By offering the Informatica solution as part of their SWIFT Alliance Gateway offering, gateway providers can enable their customers to:

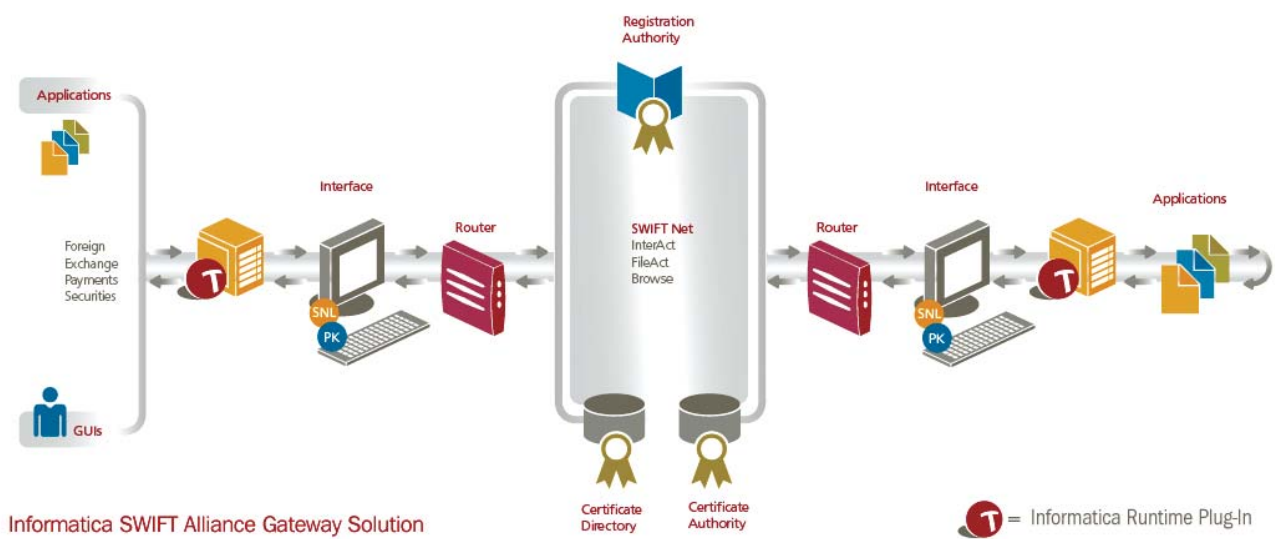
- Integrate SWIFT Alliance Gateways with legacy applications and extend SWIFT adoption benefits throughout the organization.
- Transform outbound messages based on internal and proprietary data formats to comply with SWIFT, enabling faster and more cost-effective communications with partners.
- Transform data between different versions of SWIFT, significantly simplifying migration as new versions of the standard are introduced.

- Transform incoming funds transfer requests from Excel, Word, or PDF into valid SWIFT messages, while enabling STP.
- Streamline integration between internal systems and third party providers such as credit agencies, funds providers, appraisal services, and servicing systems to reduce processing costs while speeding transactions.
- Offer additional services to counterparties, such as moving services from third-party providers to in house solutions, allowing the customers to further leverage SWIFTNet, reduce dependencies on multiple providers, and lower operations and communications costs.

### A Flexible Software Solution for Cost-Effective Integration Enterprise-Wide

As a highly efficient, embeddable execution environment, the Informatica SWIFT Alliance Gateway Solution gives SWIFT Alliance Gateway providers a single platform for developing repeatable and maintainable transformations for each client engagement. The solution's small footprint allows it to be plugged into SWIFT Alliance Gateway software as an embedded component and provides out-of-the-box integration between SWIFT

and a broad range of complex data formats. Transformations can be maintained easily with Informatica Data Transformation Studio, which enables quick debugging and updating as changes occur, significantly reducing projects costs and increasing developer productivity. Gateway providers can also use the Informatica solution to cost-effectively expand their service offerings to include consumer payments and a range of other offerings that address other data types.



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T = Informatica Runtime Plug-In

## ABOUT INFORMATICA

Informatica Corporation delivers data integration software and services to solve the problem of data fragmentation across disparate systems, helping organizations gain greater business value from all their information assets. Informatica's open, platform-neutral software reduces costs, speeds time to results, and scales to handle data integration projects of any size or complexity.

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