MSG | Validata Message Testing

Reduce payments' cost with effective message testing for SWIFT, ATM, SEPA and generic interfaces

Costs of payments have always been an important issue of discussion for banks and financial organizations. The increased competition, new products entering the market, high customer expectations as well as the harmonization of the European payment market (SEPA) have increased the already enormous payment costs.

Product Overview

Validata Message Testing (MSG) provides an innovative automated testing framework with best practices and proven methodologies for testing of SWIFT, ATM, SOA and generic interfaces.

Validata MSG has been developed to **reduce the effort and simplify the integration testing phase of your projects.** End-to-end scenarios can be developed and tested in many levels, from ensuring file formatting, data content and behavior of sending/receiving application.

Validata MSG will allow for scenarios to test transactions initiated in one system are entered correctly, that messages for onward delivery are formatted correctly and accurate, that the receiving system processes the information correctly, that messages are returned if necessary etc. Effectively testing the application's ability to process messages correctly and not just checking that messages are transferred - taking integration testing to the next level.

How is it different ?

- Fully integrated with ALM
- Centralized approach to achieve alignment of IT and Business Requirements
- Leverages centralized repository and Dashboard reporting
- Pre-built test scenarios to enable reusability across projects
- Pre-built integration with T24
- Pre-built adapters for SWIFT / ATM / SOA

Advantages & Benefits

Validata MSG delivers many benefits to a banking project, such as:
- Simulation of real world business conditions
- Tool-driven approach
- Accelerated time to market
- Extensive reusability with pre-built test scenarios
- Cost effective testing
- Reduction of testing effort by 30% or more
- Substantial reduction in human error
- Improved testing efficiency and increased productivity
- Complete coverage, reducing business risks
- Fast ROI with measurable results
- Reduced deployment costs through increased effectiveness and accuracy of distributed application roll-outs across environments

Validata
Validating Core Banking

TEMENOS
Complementary Solutions Partner

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Product Capabilities

SWIFT Testing

- Integrated SWIFT adapter with embedded SWIFT Format and Mapping rules' Library

- Pre-built test scenarios based on dynamic data, enabling reusability across multiple projects.

- Innovative Testing as a Service solution

- Parsing and Validation of Incoming and Outgoing SWIFT messages

- Message structure verification on:
  - System Messages
  - Customer Payments and Cheques
  - Financial Institution Transfers
  - Treasury Markets
  - Collection and Cash Letters
  - Securities Markets
  - Treasury Markets - Metals and Syndications
  - Documentary Credits and Guarantees
  - Travelers Cheques
  - Cash Management and Customer Status

- Business context verification

- Online reconciliation and update of messages

- Verifying the mapping of the fields between the Banking application and the SWIFT message format

- Verifying the Delivery statuses of the SWIFT generated messages

- Automated checking of message content and results generated in Banking Application

SOA Testing

Because of the inherent complexity and broad impact of a SOA implementation, a centralized approach to testing is the ideal organizational structure for overseeing alignment of your business and IT requirements. SOA message testing is complicated as it requires the testing of interfaces and services that might bring together diverse systems and platforms, in addition to performance and security related issues. Extensive testing of web services is essential to securing the enterprise from potential business risks and scalability problems.

Validata adopts a comprehensive tool-based message-driven test approach for SOA testing. This facilitates testing application to application communication across multiple layers of technology stacks.
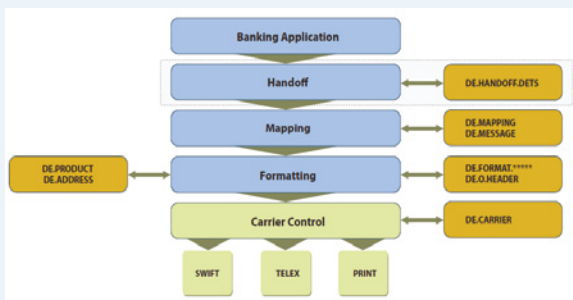
ATM Testing

In order to validate the ATM messages and ensure that the host system processes them correctly several testing is required. Ensure continuous ATM message testing through Validata MSG:

- Create messages for advanced ATM functions (such as multiple currencies, non-currencies, non-envelope deposits)
- Perform testing with messages that contain specific field data
- Rapidly replay existing QA and regression test scripts
- Run all transactions with all of your test cards (e.g.. hot cards, chip cards, not-on-us cards)

✔ Verification on application level for incoming and outgoing SWIFT messages

✔ Validata MSG Online Monitor