

(expleo)

FaXimmé – Message simulation simplified

FaXimmé is a comprehensive and end-to-end functional and performance testing solution enabling card issuers, acquirers and network providers to carry out financial transaction testing.



The easy way of financial transaction testing

FaXimmé – a financial transaction simulator evolved out of a unique blend of in-depth payments domain knowledge and impeccable track record. Developed by Expleo, the web based tool offers a comprehensive end-to-end solution enabling card issuers, acquirers and network providers to carry out financial transaction testing.

A highly configurable, EMV compliant ISO 8583 message simulator, FaXimmé can be easily and rapidly deployed for your testing needs.



Faster

Shortened timelines for testing



Smarter

Configurable & flexible test construction



Better

Fully automated web-based solution

The competitive edge

FaXimmé stands out in terms of certain unique features in testing of card authorization messages:

- Functional & performance (Stress, Soak, Spike etc.) tests
- Allows users to configure any new ISO 8583 schema derivative
- Support for multiple instances to perform parallel testing in multiple acquirer/issuer environments
- Cryptographic processing for PIN encryption, data encryption, dynamic key exchange, ARQC/ARPC
- Facilitates import and export of the test data profiles – cards, merchants and transactions

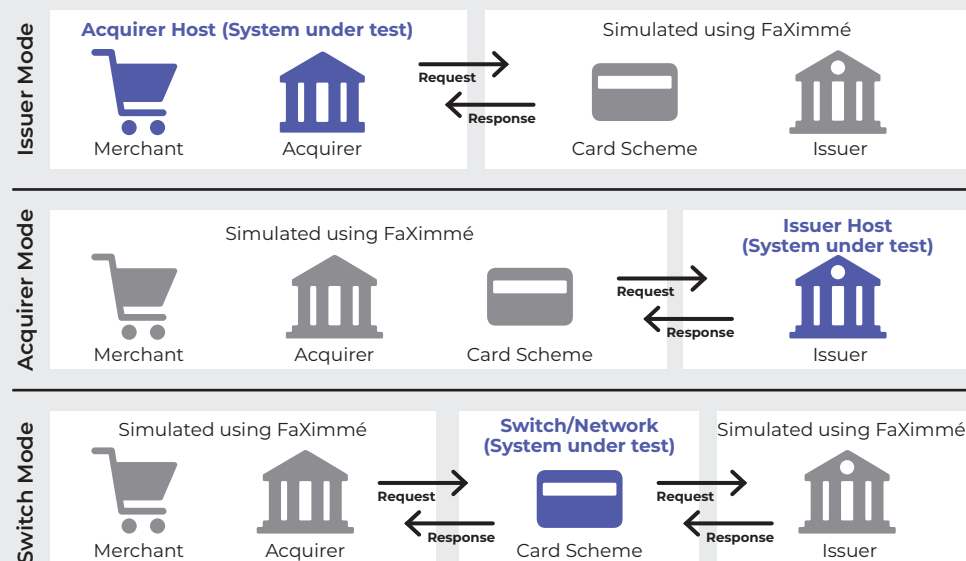
- Compare an actual response with an expected result
- Iterative execution and execution from Excel
- Access enabled with multiple hierarchies of users
- Reporting module for no. of transactions executed, passed and failed per user with multiple filters

FaXimmé simulates request and response messages for all ISO 8583 transaction types – authorization, financial, card update, reversal, reconciliation and network management functions including dynamic key exchange.

Support for card associations

- VISA Base I & SMS
- mastercard CIS & MDS
- AMEX
- NPCI – RuPay, NFS, IMPS, AEPS
- China Union Pay/UPI
- UAESwitch
- BENEFIT
- NAPS
- NFS
- NCCC (Taiwan)
- REDSYS (Spain)
- BANCNET (Philippines)
- HPS SWITCH (Morocco/Cyprus)

Operating modes



FaXimmé product features

Card association	<ul style="list-style-type: none"> • Mastercard CIS & MDS, VISA Base I, AMEX, NPCI - RuPay, NFS, IMPS, AEPS, China Union Pay/UPI, NCCC, BancNet, REDSYS, HPS Switch, UAE Switch, BENEFIT, NAPS • Flexibility to support any new ISO 8583 schema/host
EMV compliance	<ul style="list-style-type: none"> • Smart Card and contactless EMV transactions • ARQC & ARPC generation/validation • Support for multiple CVNs – VSDC 0A/12, M/chip 2, M/chip 4, EMV 2000, Discover/RuPay CVN 02/05, UPI 01
Cryptographic support	<ul style="list-style-type: none"> • DES and Triple DES algorithm support • Supports PIN encryption, MAC generation & Dynamic Key Exchange as a master/slave
Configurable ISO 8583 schema	<ul style="list-style-type: none"> • Supports scheme specific implementation of ISO8583 for standard card schemes • Supports ISO8583:87 and ISO8583:93 formats • Compare incoming message format against the ISO schema
Transaction features	<ul style="list-style-type: none"> • Supports functional and performance testing • Supports concurrent and multiple sessions • Provide flexibility to manage network management and authorization messages • Execute a specific or multiple authorization transactions asynchronously or sequentially • Generate message logs with export feature to XML format • Flexible card response profiles
Performance component	<ul style="list-style-type: none"> • Simulates upto 1000 TPS, with dynamic 3DES encryption, MACing and EMV Chip • Fixed and Variable TPS – Supports stress, soak, spike test though easy set up • Randomise cards and merchants across transaction types • Supports transaction load matrix across transaction types • Save load matrix as projects for future re-use • Response time analysis graphs & reports
Message definitions	<ul style="list-style-type: none"> • Predefined test case repository for standard card schemes
Currency conversion	<ul style="list-style-type: none"> • Currency table enables currency conversion to populate DE 5 & 6 for cross border transactions

For further information, or if you have any other questions, please write a mail to info@expleogroup.com

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