

EFTsim

Testing in the electronic payment industry just got a whole lot easier with EFTlab's enterprise architecture payment simulator. EFTsim is our suite of flexible, cost-effective testing tools designed from the ground up to meet your testing needs, perfect for a single project or whole testing teams, EFTsim is easy for beginners and powerful to professionals.



A suite of flexible testing tools to ensure your payment projects are delivered on time every time

The EFTsim Modules

EFTsim can emulate all elements of the entire infrastructure:



ATM

An ATM Emulator

An emulation of physical ATM with all its screens, cassettes, cash, and problem management. Replaces and entire ATM lab with a single instance application for last ATM testing



POS

Payment Transaction Simulator

Generates payment messages based on their transaction format, security, card scheme and messaging rules



Host

Transaction Authorization Service

Enables emulation of an acquiring or Host-to-Host systems with a bi-directional payment message exchange



Certification

A powerful certification module

that can expose an API for external access to run automated tests using a flexible validation engine.



HSM

Hardware Security Module Emulator

Reduces the complexity and expense of security features development and testing by providing white-box emulation of the hardware from major HSM vendors



Stress & Regression Testing

A powerful regression testing module

that runs an automated set of tests against every new change and identifies the source of any failure

What can you achieve?



Testing

Test all element of the entire payment infrastructure (POS, Switch, Acquirer, Issuer, etc)



Modular Design

Modular design enables rapid customization



Automation

Quicker turnarounds due to fully automated regression testing



Efficiency

Efficient stress testing and capability planning



Affordable

Eliminating the need for expensive hardware such as HSM, payment terminals and ATMs



Latest Technology

Test your payment system with the latest payment technologies (EMV, NFC, mobile payments)

Key Features

Transaction formats

APACS, AS2805, ISO8583 87' & 93' dialects, ISO20022, SPDH, TCM, BIC ISO, NDC+, DCC, Aprta, XML, Jason

Security supported

ANSI X9.8, X9.9, DUKPT, ZKA (Zentraler Kreditausschuss), EMV 4.1 / 4.2, NFC, ISOLINK

Testing modes

Primary Mode: Single payment device emulation and message exchange
Stress Testing: High volume transaction processing and system benchmarking
Scripting: Complex script generation and execution for regression testing

Other Key Features

Multiplatform support

External USB reader for contact and contactless EMV transaction

Internal EMV card, terminal and issuer emulation

Thales HSM RG7XXX, RG8XXX, RG9XXX emulation

SafeNet Luna emulation

In-depth transaction parses for transactions and additional fields

Guaranteed 2000 TPS (full 3DES DUKPT) from common office desktop

Query-able transaction SQL database

BarnesTest Integration

Atalla HSM emulation (Microfocus / Utimaco)



Contact us

to learn more and schedule a demo

info@eftlab.com.au

+61 421 088 162

