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ASTREX

Who is it for?

ASTREX is a powerful testing platform. It can simulate any transaction type and any component in the payments chain and provides all the functions needed to validate the complete end-to-end production environment.

Whether you are an issuer, an acquirer, a merchant, a terminal vendor, or a third party payment service provider, a next generation test and validation environment is key to getting ahead of the competition.

Why do you need it?

The twin market forces of continuous technology innovation and relentless consumer demand are creating a dynamic and ever-evolving payments landscape.

To maintain a consistent and positive customer experience you have to keep pace with an ever-increasing array of new technologies and standards.

The ASTREX testing platform is the industry leader in automated validation of payments transactions. This single test environment can be made available to every participant in your product development life cycle.

ASTREX helps to reduce implementation costs and delivery risks, while dramatically improving card and payments product quality and your speed to market.



What is inside?

- Enterprise deployment – simulate a complete real-time end-to-end payments environment
- High performance architecture – simultaneous processing of multiple transactions over multiple connections at production speeds
- Protocol-independent design – easy-to-use transaction builder to create test cases without scripts or coding expertise
- Standards and compliance – full card scheme roadmap support
- Full transaction audit – detailed transaction analysis and logging

ASTREX

Key benefits

Replicate your production payments environment

ASTREX emulates the complete end-to-end payment chain.

Build competitive advantage and reduce customer churn

Getting a higher quality product to market faster will give you a competitive advantage, and create a positive experience for your customer.

Dramatically reduce implementation costs

By making ASTREX available at every stage of development, customers have reported up to 80% fewer problems at go-live.

Get new products to your customers faster

Customers have reported a twenty-fold increase in running test scenarios, while cutting the overall testing schedule by half. Perform full system regression tests in hours instead of days.

Make every system change simpler

With ASTREX in place as a real-time test environment, you can reduce the cost and risk of deploying new payment technologies, systems migrations and ongoing compliance.

Gain an accessible enterprise-wide environment

Your entire product team and third party integrators can work concurrently on a single test platform.

Specifications

Enterprise Deployment

- A single platform available across your enterprise that replicates the entire Merchant, Acquirer, Network, and Issuer chain
- Familiar workspace and common interface for development, implementation, and testing teams
- Access for vendors and integrators
- Deployable as an acquiring switch

High Performance Architecture

- The fastest payment simulation engine on the market
- Simultaneous processing of multiple transactions over multiple connections at production speeds
- Concurrent multi-protocol processing

Protocol-Independent Design

- Create test cases without scripts or coding expertise using standard transaction components
- No need to know anything about message formats, data element definitions, encoding
- Re-use the same test data to validate different payment protocols
- Supports ISO 8583, XML, JSON and Field separated Protocols in one setup

Standards and Compliance

- 100+ international and domestic message protocols
- Approved host simulator for terminal brand validation
- Certified host simulator for Diners, Discover, Pulse, Visa; Qualified host simulator for AMEX
- Host simulator for self-certification with MC
- Test host simulator for DNA, Interac, UPI
- Full card scheme roadmap support

Full Transaction Audit

- Detailed transaction analysis and logging
- Test case validation and reporting

Functional Specifications - other

- Support for EMV Level 3 processing including: M/Chip, VSDC, AEIPS, DPAS, CCD, UnionPay, JCB, and Interac
- HSM simulation
- Terminal simulation - can take physical cards as input
- Supports stress-testing
- Supports clearing files generation and comparison
- Full internal Card Management System
- Capable for heavy loads
- Checkpoints module – auto validations for brand and in-house testing



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