SIMplicity™ XFS

Based on the latest technology, innovative features, unparalleled ease of use and intuitive design, SIMplicity™ XFS is a dream come true for banks of all sizes to automate testing of ATM applications and ATM host (switch). SIMplicity™ XFS reduces testing effort and costs, and makes the long and laborious regression testing a simple matter of just a few clicks.
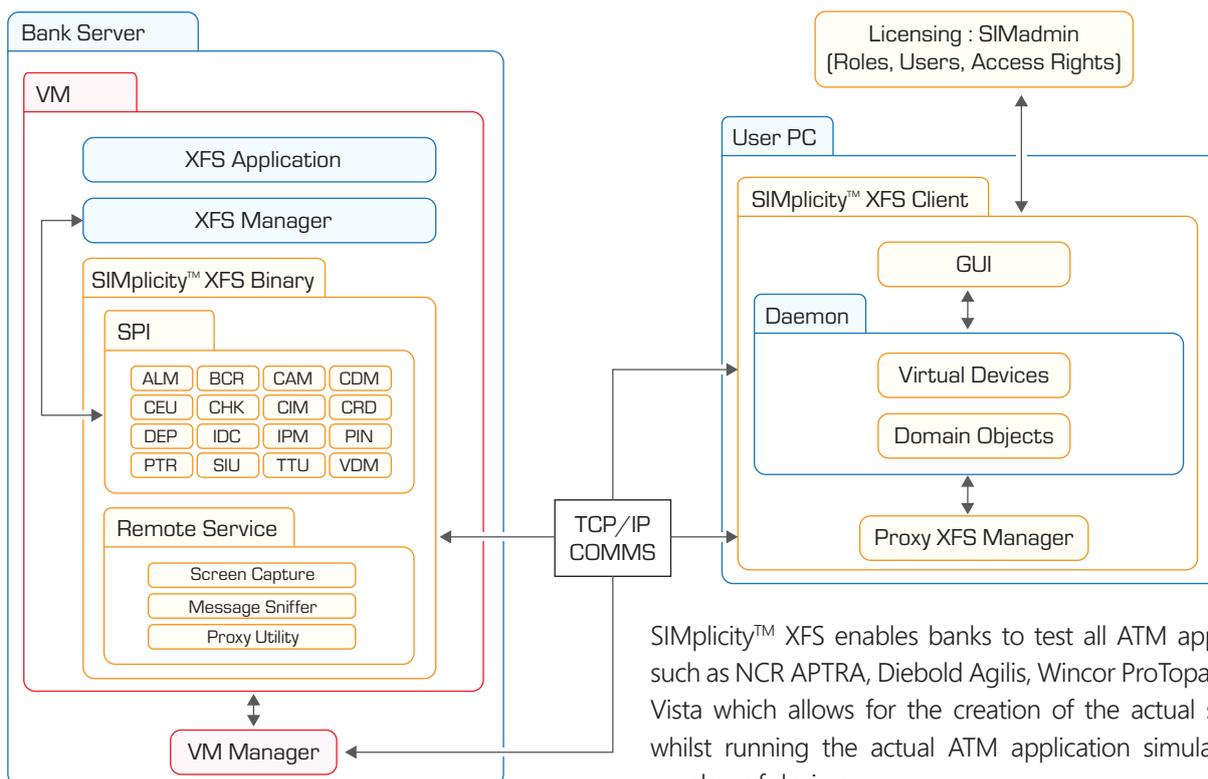
This cutting-edge platform enables you to create your own unique virtual ATM by easily adding ATM devices of your choice from a wide range of supported devices and then instantly test your ATM applications to identify any errors or risks that might impact the availability of your ATM services in your production environment.

Exceptions conditions can be easily engineered by minimal configuration to test ATM software behaviour in case of faulty devices.

Deployment of SIMplicity™ XFS delivers immediate productivity gain by enabling you to record and replay hundreds of test cases with ease. SIMplicity™ XFS virtual ATM looks and behaves exactly like a real ATM and removes the need for expensive physical ATM test labs.

A Typical Deployment Model

Your virtual ATM resides on your desktop PC and utilises any virtual devices you have configured to test your ATM application.
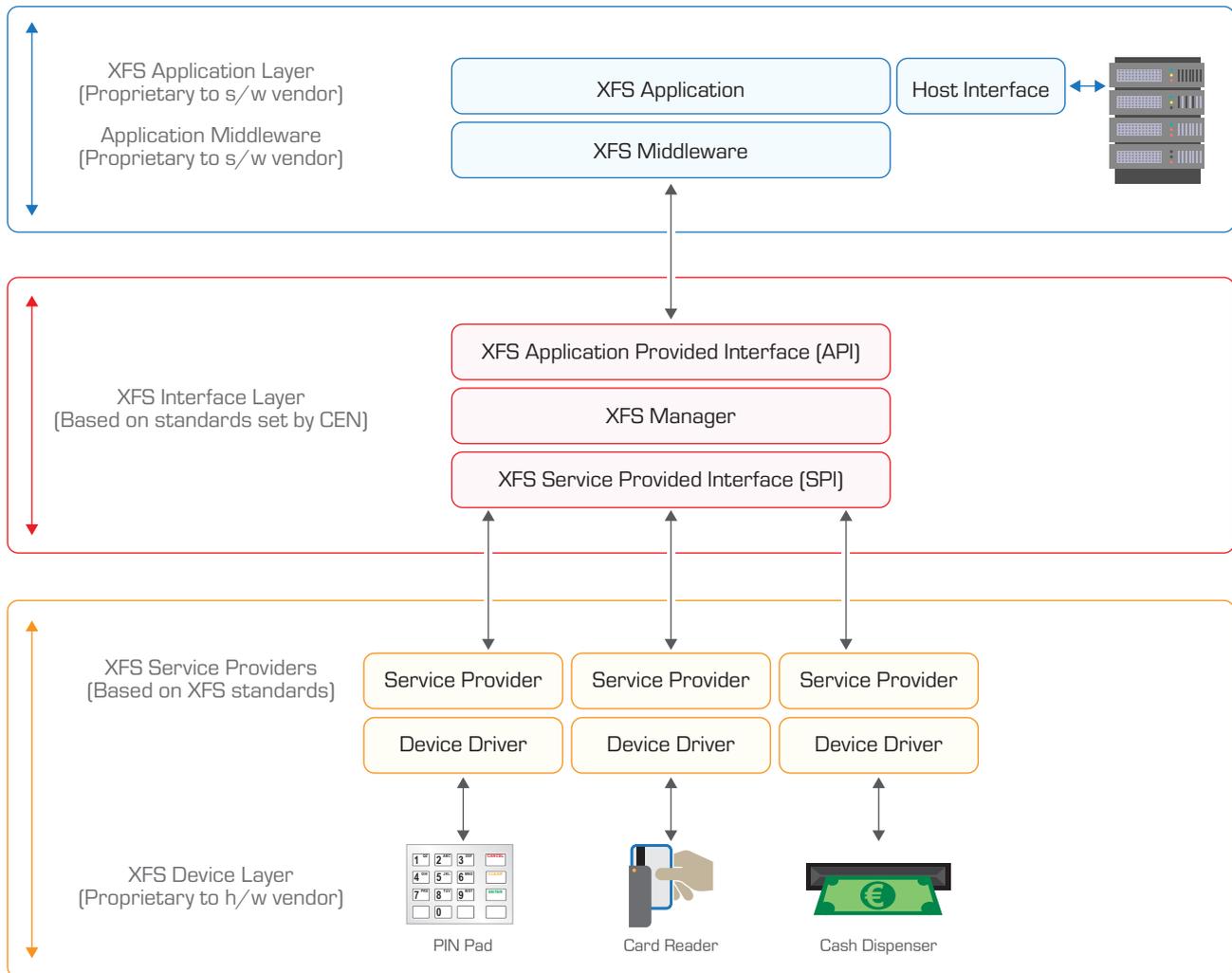

SIMplicity™ XFS enables banks to test all ATM applications such as NCR APTRA, Diebold Agilis, Wincor ProTopas, TellMe, Vista which allows for the creation of the actual scenarios whilst running the actual ATM application simulating any number of devices

SIMplicity™ XFS Key Benefits

- More comprehensive and accurate testing
- Automatically repeatable (record and replay test cases)
- Unattended test execution
- Removes the need for physical ATMs and test cards
- Used for automatic testing of ATM host (switch)
- Used for automatic testing of ATM applications

- Caters for Unit Testing, Regression Testing, SIT and UAT
- Provides detailed technical and management reports
- Automatic test result comparison for regression testing
- Covers all ATM Applications
- Allows for simulation of hardware failure conditions
- Reduces time/effort and therefore costs

SIMplicity™ XFS Architecture

XFS Application Layer (Proprietary to s/w vendor)
Application Middleware (Proprietary to s/w vendor)

XFS Application — Host Interface

XFS Middleware

XFS Interface Layer (Based on standards set by CEN)

XFS Application Provided Interface (API)

XFS Manager

XFS Service Provided Interface (SPI)

XFS Service Providers (Based on XFS standards)

Service Provider — Service Provider — Service Provider

Device Driver — Device Driver — Device Driver

XFS Device Layer (Proprietary to h/w vendor)

PIN Pad — Card Reader — Cash Dispenser

Supported ATM Devices:

- ALM ► Alarm
- BCR ► Barcode Reader
- CAM ► Camera
- CDW ► Cash Dispenser Module
- CEU ► Card Embossing Unit
- CHK ► Check Reader and Scanner

- CIM ► Cash-In Module
- CRD ► Card Dispenser
- DEP ► Depository Unit
- IDC ► Identification Card Unit
- IPM ► Item Processing Module

- PIN ► Pin Keypad
- PTR ► Printer and Scanner
- SIU ► Sensors and Indicators Unit
- TTU ► Text Terminal Unit
- VDM ► Vendor Dependent Mode

About Abbrevia

Abbrevia is an innovative provider of leading-edge payments test automation platform for banks and third-party processors with global customer base.

We realise that today's payments strategies focus on flexibility and technology to meet the challenges of the ever-changing business environment by cultivating an innovative, efficient, customer oriented and quality conscious culture.

Our pioneering test automation platform, SIMplicity™, enables our customers to automate their complete testing processes yielding immediate productivity gains, improved quality, reduced costs and faster time to market for new services.

We help our customers to help themselves.

Our Products

- **SIMplicity™ ATM** - Simulates any ATM type for automated and unattended testing of any ATM Switch with record and replay facility

- **SIMplicity™ XFS** - CEN/XFS compliant product that simulates any ATM device for testing of ATM applications such as Aptra, Agilis, Procash, Vista, TellMe, etc.

- **SIMplicity™ Network** - Simulates any POS device, any host and all ICS interfaces such as Visa, MasterCard, Amex, CUP, JCB, etc.

- **SIMstress** - for stress and volume testing at desired TPS for transaction peak time management, capacity planning and identification of problems and bottlenecks

Our Services

We have proven experience in providing EMV project management, technical implementation, test and certification services covering all aspects of the EMV processing value chain including:

- ATM/POS terminal interfaces, acquiring / issuing host interfaces, national and regional network interfaces

- Project management and execution of ICS EMV project planning and processes for banks and national networks

- Technical support for configuration, testing, analysis and certification of ATM and POS acquiring

- Network interface certifications including Visa SMS, Visa Basel, MasterCard MDS, MasterCard CIS and MasterCard Network Interface Validation NIV

Partners and Clients