



STANCHION

Your Payments Partner

Stanchion Payment Solutions



Introduction

The global payment market is currently seeing a level of disruption unlike anything the world has seen before. New technologies are introduced at an unprecedented pace and many organisations struggle to move fast enough to exploit new revenue and cost-saving opportunities, which include those related to new payment methods, ongoing industry initiatives and increased customer expectations.

In addition, there is significant regulatory, security, and operational “best practice” pressure that requires constant attention and focus, often with the scarcity of specialist payment resources, an additional concern.

Many organisations find introducing new technology to be a time-consuming and cost-prohibitive process, especially in finely tuned real-time transaction processing environments. Existing payment switch architectures are designed to be secure and are built for high-volume throughput at scale. However, they’re often not designed with innovation and frequent changes in mind.

For example, adding non-traditional digital payments to an existing ATM network would often require integration into new systems, redesigning existing message flows and even replacing old software components. This quickly becomes an expensive and drawn-out process that often can’t be avoided if the organisation wants to remain competitive and relevant.

Stanchion’s VERTO aims to address this problem of accommodating frequent changes in inflexible environments. VERTO is a digital payments application server that enables agility in system integration projects, supports innovation and delivers off-the-shelf payment solutions. The primary goal is to simplify and fast-track new payment initiatives.

VERTO provides a payments-focused architecture for message validation, transformation, enrichment and orchestration. Through the use of VERTO, Stanchion provides solutions that bridges the gap between disparate payment systems and applications, allowing custom business rules to be implemented easily and efficiently doing any necessary message protocol conversion.

In addition VERTO can form the basis of point solutions aimed at specific use cases. These already include TSP integration (MDES, VTS), real-time Notification Services, and ePIN Management. In those cases, VERTO provides the foundation to build on, as well as the libraries needed to address specific business needs.

VERTO is payment environment agnostic, which enables it to implement peripheral functionality to complement existing payment capabilities. Through VERTO, customers can avoid or minimise the impact on existing systems, thereby mitigating risk associated with the deployment of new functionality.

More specifically, VERTO creates the ability to embrace web services and API technologies as part of a larger digital transformation journey without needing any changes to the underlying payments infrastructure.

The Verto platform includes an Implementation Layer where customer-specific functionality can be added such as:

- Unique Protocol translations
- Custom Web services
- Database scheme implementations unique to customer
- Notifications via multiple channels
- CRM integration
- Unique encryption strategies

The diagram below illustrates a typical high-level architecture overview that a customer using VERTO might have:

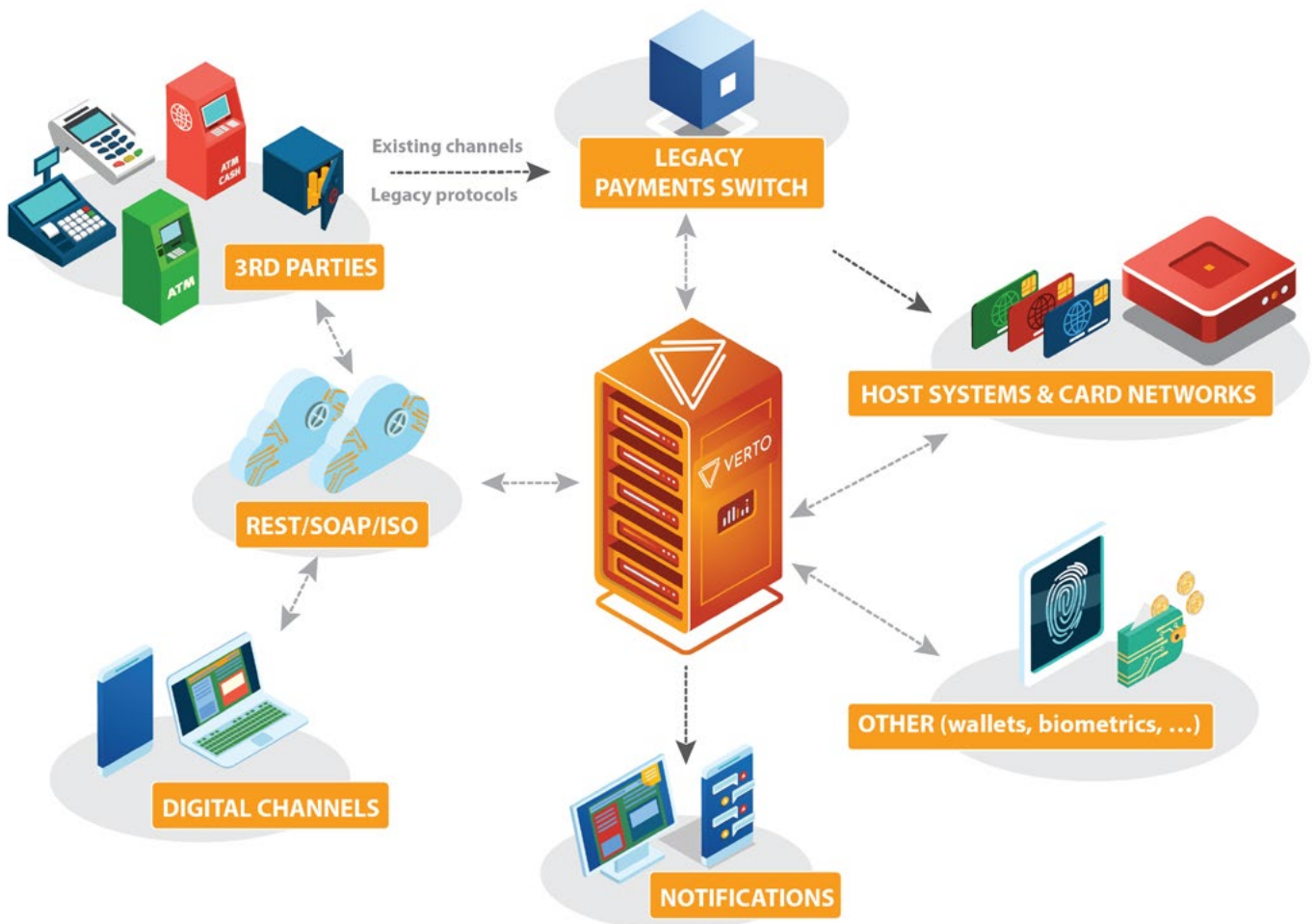


Figure 1: Verto in the Enterprise Architecture

Stanchion customers frequently deploy VERTO in conjunction with the Stanchion Orchestration Module (SOM), which provides GUI workflow capabilities. These customers find that managing their traditional payment operations through the Single Pane of Glass UX features of SOM, provides additional time-saving and risk-reducing benefits. This approach has its own unique value as organisations face an increasingly wide range of tasks to manage as payment environments become more complex.

Some of the benefits of the Stanchion Orchestration Module include:

- **SPoG:** Single Pane of Glass for payment operations management
- **Automation:** Automated workflow management with user escalations and breakouts
- **Auditability:** Creates a historical record of any change made to the system
- **Accountability and Traceability:** Enables multi-level authorisation approval
- **Multiple Updates:** Automates simultaneously configuration updates across systems
- **Access Management:** Provides user access restriction controls on a single console

Benefits

Verto's strength lies in its flexibility and the payments framework that underpin all its use-cases. If you have a particular need, contact us to see if VERTO can help solve your challenges.

In existing deployments, VERTO has already provided the following benefits to Stanchion customers:

- **Market Proven:** Being a platform, VERTO lends itself to a myriad of potential use cases. In existing deployments, VERTO has already unlocked value across multiple regions and in various different industry sectors.
- **Product Support:** : In addition to 24/7/365 production support services, industry mandated changes are included for selected solutions.
- **Point Solutions:** Off-the-shelf VERTO solutions are continuously being developed, unlocking additional value.
- **Notification Engine:** VERTO provides multi-channel, multi-language notification support, allowing custom implementation based on customer demand.
- **Ease of Deployment:** VERTO's lightweight and flexible design is aimed at efficient deployments, causing minimal disruption to existing environments. VERTO is compatible with Docker, enabling optimal deployment and maintenance.
- **Robust Platform:** VERTO provides a robust platform with proven high-availability attributes.
- **Digital Channels:** VERTO is well suited for the enablement of digital channels like integration with Mastercard Digital Enablement Services (MDES) and VISA Tokenisation Services (VTS).
- **Avoid Switch impact:** Avoid or minimise the impact on existing systems, thereby mitigating risk associated with the deployment of new functionality.
- **Payment System agnostic:** Allows integration into multiple systems, independent of platform or technology.
- **HSM integration:** VERTO is able to directly interface to Hardware Security Modules using the international command set.

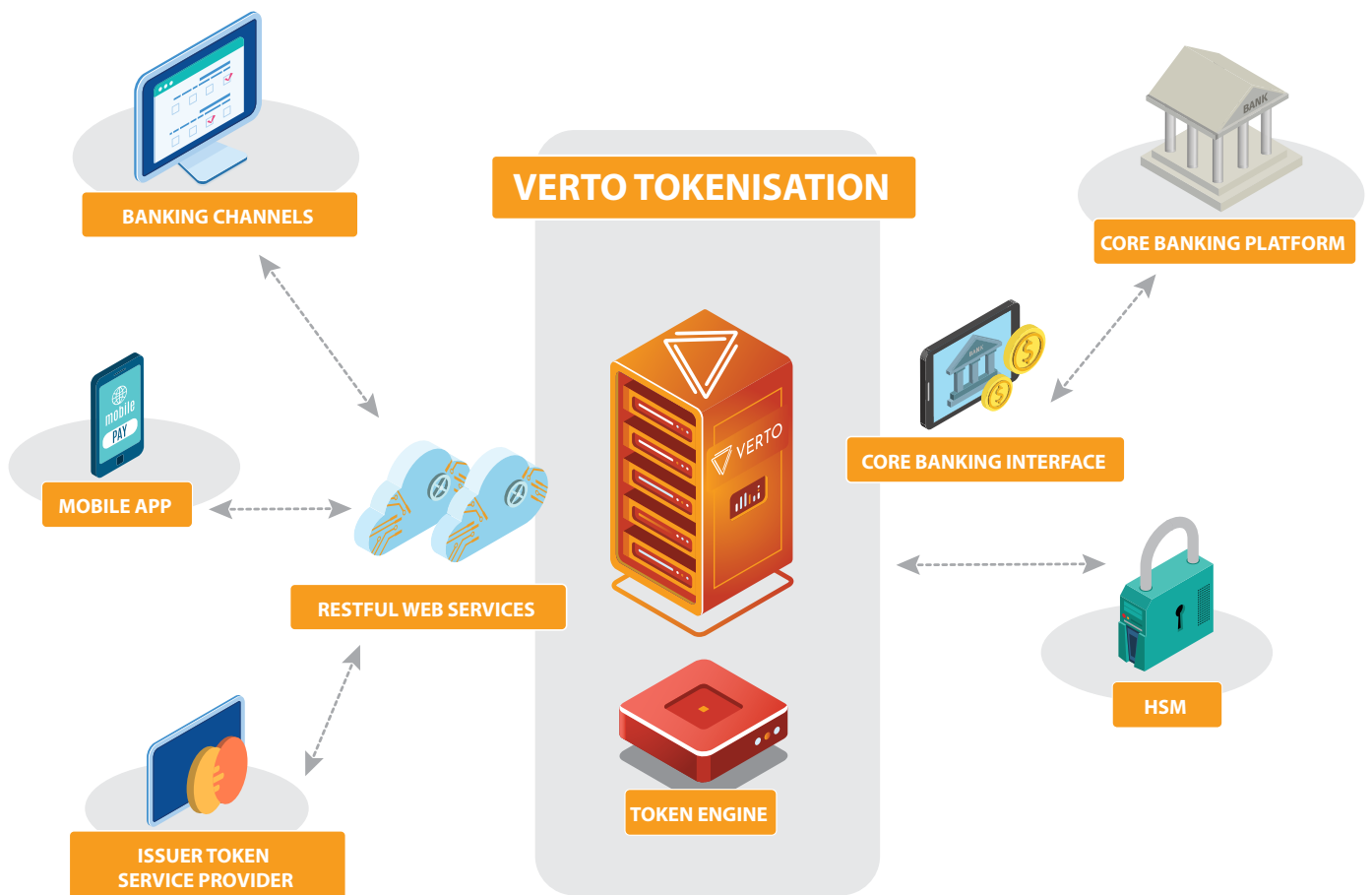
Use Case: Token Life Cycle Management

Stanchion uses VERTO where customers require integration of their core banking environment with different Token Service Providers (TSPs). These implementations have been done for both the Mastercard MDES and VISA VTS gateways.

In these deployments VERTO processes requests to provision specified cards received from the TSP. For the provisioning to be done successfully, the solution verifies the cards on the relevant debit or credit card management systems. The solution also processes Token Life Cycle Management (TLCM) requests originating from the core banking systems, where updates are sent back to the TSP to update the relevant wallets, including suspend, unsuspend, block etc. Integration to the OTP-sending facility is also included.

The VERTO Tokenisation solution has been tested by a third party (Certification consultants) against Apple Pay standards.

The diagram below illustrates a typical Verto TLCM deployment:





How can Stanchion help

Founded in 2001, Stanchion is a global solutions provider to the payments industry and has helped many retailers, processors, payment service providers and banks put in place the right solutions and operational capabilities to allow better management of their payment systems, processes security and data.

Stanchion provides a complete range of FinTech solutions recognised for consistently delivering high performance and total system integrity across complex payments environments. With a global team of more than 100 specialists, Stanchion has collaborated with high-profile clients from retailers, banks, credit unions, card schemes, payment processors and payment systems around the world.

Stanchion will be delighted to show you the breadth and modularity of the Stanchion VERTO and the Stanchion Orchestration Module and discuss how this could add value to your business to drive faster revenue enablement and greater efficiency in using your scarce technical resource skills within your payments operations environment.

For more information on how Stanchion can help you, please contact us on engage@stanchionpayments.com or speak to your local representative located in UK/Europe, USA/Americas, UAE/MENA, Australia/APAC and South Africa/Africa.

For more background on Stanchion, please visit our website at <https://www.stanchionpayments.com>



STANCHION

Engage | Innovate | Solve | Secure