



Reno-Switch

Reno-Switch is a 21st century commerce solution that provides authorisation routing and switching for mobile, web and in-store payments.

Reno-Switch utilises open-source and industry standard technology to deliver a lower Total Cost Of Ownership.

This focus on expedited integration and testing provides customers with shortened implementation times.



Renovite
Transforming payments

Never has the pace of innovation been so fast. And never has the complexity of existing systems been so great.

Innovation in the payment domain related to new initiatives such as Contactless cards, EMV, PayPal, and Apple Pay requires a range of skill-sets to develop and implement change. However, the IT departments of most payment processors are severely constrained in terms of financial and human capital. Much of that scarce capital must be deployed on the maintenance of existing legacy systems, using specialist and high-cost skills. Many companies are seeking solutions which utilize low-cost technology requiring easily available skills to develop and implement and that can integrate easily into the existing legacy infrastructure.

Reno-Switch **A 21st Century Solution**

Reno-Switch, is a payment solution designed from the ground up to take advantage of modern, open, low-cost technologies. It has been architected to manage the acquisition, authentication, capture and authorization of electronic payment transactions. No distinction is made between devices – ATM, physical POS/EPOS, web and mobile transactions are all supported equally. Standard forms of authentication, whether magstripe or chip (EMV) are supported.

Renovite believes that for the foreseeable future, IT projects will seek to retain the best bits of the old infrastructure whilst focusing new development on more appropriate technologies.

A key focus of the design has therefore been the ease of integration of Reno-Switch with existing legacy systems.

Integration

With twenty years experience of delivering systems to merchants and payment processors around the world, the Renovite team is highly experienced in installing innovative new payment components into a legacy infrastructure. This expertise was brought to bear in the development of the Reno-Switch product.

In addition to basing the product on industry standard components, ease of integration with existing legacy systems was seen as key in bringing a product to market successfully. That is why Reno-Switch operates on a Continuous Integration model to accelerate code delivery to the client. Combined with an automated QA regime, Renovite can significantly reduce the cost and time of product deployment.

This approach also extends to the use of Object Oriented Analysis & Design, and Enterprise Integration Design Patterns which are utilized to ensure integrity, and support future development and extensibility.

Resource Mix

Another key learning from successful projects is the use of right resources at the right costs to ensure the optimal resource mix for the project. Renovite's ability to source relevant expertise in modern and legacy technology has enabled customers to achieve successful implementations within the specified time and budget constraints.

Reno-Switch

New solutions must co-exist with the existing setup. Ease of integration is key.

Ease of Maintenance

XML based configuration is used wherever possible within Reno-Switch. Configurable parameters are externalized to minimize the impacts of change. The system maintains version control of configuration data. Configuration versions can be scheduled for future deployment and can be rolled-back if required.

Extensibility

Reno-Switch uses an XML based workflow with a componentized architecture. New components can be developed independently and plugged into the existing workflow. New Workflows can also be developed by placing the reusable components into the workflow.

High Performance

Reno-Switch uses asynchronous communication between components. In-memory & distributed caching and processing, together with stateless servers, all contribute to managing system resources to deliver high performance.

Scalability

Reno-Switch fully supports both Horizontal and Vertical scaling. Multiple copies of the system can be deployed in a clustered environment.

Availability

Reno-Switch operates as a high availability system using clustering. In addition Reno-Switch may be configured in an active/active or active/passive model across multiple sites to ensure true 24/365 operation.

At a Glance

Linux/Windows Server

Java 8 (x86 - 64 bit)

Multi-tenant, multi-language, multi-currency

PA-DSS certified, EMV, AES support & 3DES compliant

Supports XML, XML20002, ISO8583

Supports all major card schemes

Merchant Portal

Fraud & Velocity Control

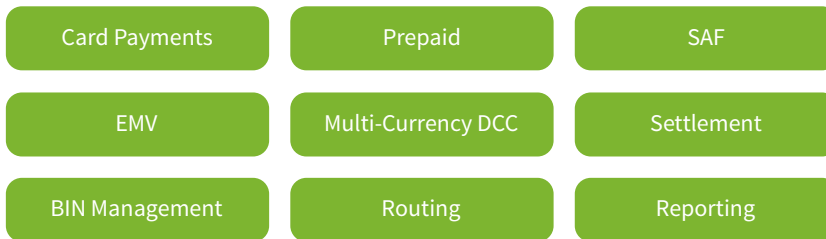
Supports major POS/EPOS terminals

Logging & MIS

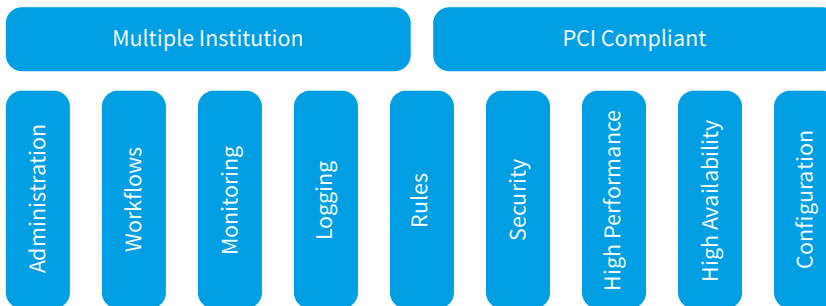
Enhanced Integration Facilities

Reno-Switch

Core Payment Services



Infrastructure & Services



RENO-SWITCH BUSINESS COMPONENTS

Multiple Acquiring Channels (Adapters)
(POS Devices, Host Systems, e-Commerce)

Integration with
Processors/Networks & Service Providers



Renovite
Transforming payments

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