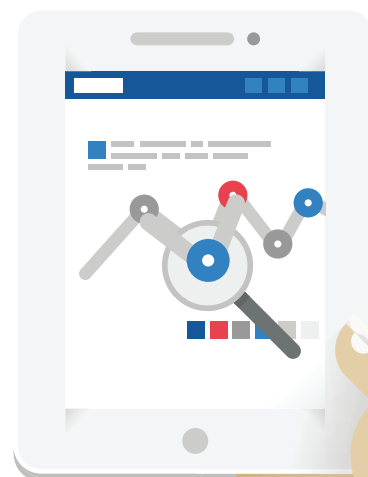


CAUSAL NEXUS



Causal Nexus is a suite of real-time processing and analytics applications designed specifically for banks, payment processors and retailers.

Our novel approach to real-time transaction processing will enable your team to adapt quicker to an ever-changing environment, while our analytical tools will help you to stay on top of operations.



BANKS

Transactional banking environments are extremely complex due to the variety of systems required to facilitate a diverse set of transactions. Managing risk in these environments is very difficult as system operators do not have a complete view of the overall health of the entire ecosystem.

Furthermore, banks are increasingly under pressure to adapt and innovate, which requires the introduction of additional systems.

Our enterprise technology helps banks both **monitor complex real-time environments**, and **rapidly integrate** new forms of transacting into existing systems. System operators are alerted to problems, thereby ensuring maximum performance and reliability. Banks are also able to embrace innovation as products can be deployed quickly through the use of our rapid integration technology.

PAYMENT PROCESSORS

Payment processors deliver customer satisfaction by offering reliable and cost-effective transactional services, while remaining adaptable to the ever-changing payments environment.

We help payment processors **improve reliability through proactive monitoring and alerting**, which helps to spot problems before they occur.

Our solution also helps payment processors adapt quickly by **rapidly integrating new payment systems**, such as mobile gateways, online payment channels, and other value added services.

RETAIL

Today, customer transactions take place in a complex omni-channel environment, which makes it difficult to gain a consolidated view of the customer experience across the various channels.

Additionally, customers are demanding a wider range of payment options such as mobile money, loyalty points, and virtual currency.

Our solution gives retailers the ability to **monitor the entire customer experience**, allowing system operators to react faster to potential problems. We also help retailers **reduce the complexity of omni-channel payments** by providing a central financial transaction switch, allowing new payment mechanisms to be introduced rapidly.



PRODUCT

The product comprises two core components, namely the **Framework** and the **Dashboard**.

The *Causal Nexus Framework* is the hub where you can gather and broadcast data within or outside your business. Our design makes it **easy to collect and share your real-time data**, such as market prices, sales information, transaction volumes, and server resource utilisation. The Framework also enables you to process your data further and **rapidly roll-out integration projects**.

The *Causal Nexus Dashboard* enables you to **visualise your real-time information around the clock** through the web. The Dashboard also allows you to proactively monitor your operations through **email and SMS alerts**.

FEATURES

- ◆ Novel non-invasive real-time monitoring and alerts.
- ◆ Consolidate distributed environments such as Active-Active configurations.
- ◆ Enterprise architecture with linear scalability.
- ◆ Omni-channel support (in-store POS purchases, mobile payments, online payments, etc.)
- ◆ Vast protocol support (ISO 8583, ISO 20022, HTTP REST, JSON, XML, etc.)
- ◆ Batch transaction processing.

CASE STUDIES

- ◆ End-to-end card transaction monitoring.
- ◆ Mobile-POS integration (message translation, transaction routing and application monitoring).
- ◆ ATM monitoring.
- ◆ Systems and infrastructure monitoring.





T +27 (0) 21 434 0822

E info@causalnexus.com

W causalnexus.com

A 5 Parade Crescent, Constantia Hills,
Cape Town, South Africa, 7806