Hewlett Packard Enterprise

HPE Technology Partner, XYPRO, secures fault-tolerant payment infrastructure

XYPRO security modules on HPE NonStop servers help achieve PCI DSS compliance

Objective
Ensure 24/7 availability and PCI DSS compliance for processing millions of daily rail pass purchase transactions

Approach
Partner with XYPRO to integrate system, user, and data security into HPE Integrity NonStop servers to achieve PCI DSS compliance

IT Matters
- Strengthens system, user, and data security on HPE NonStop servers
- Automates database analysis and streamlines administration
- Validates compliance with sophisticated audit collection tools

Business Matters
- Delivers near continuous availability for mission-critical payment system
- Ensures PCI DSS compliance to meet industry and government regulations
- Prepares the enterprise to handle surge during 2020 Summer Olympics
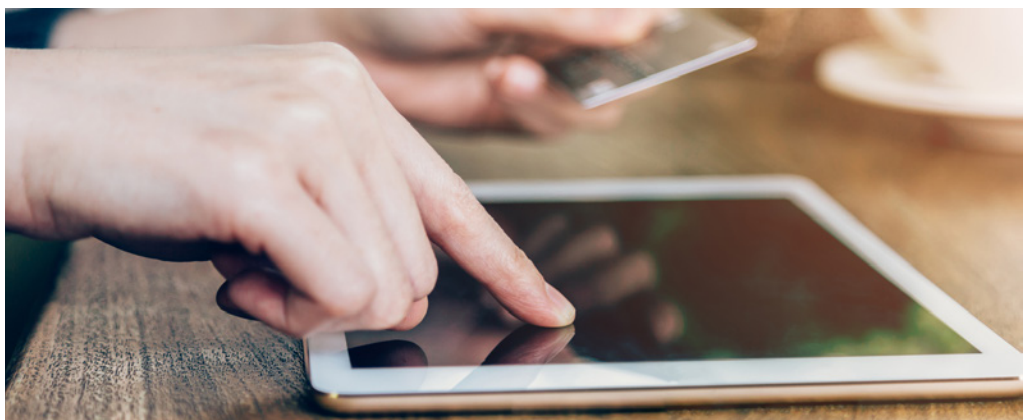
For businesses running mission-critical applications, continuous availability and strong security are essential. With world-class security software from HPE Technology Partner, XYPRO, embedded on the near-continuously available **HPE NonStop servers**, that's exactly what they get.

XYPRO and HPE have a long history of partnership securing fault-tolerant systems, going back to the beginnings of the NonStop platform. It's a great example of truly bringing together the best of breed—the renowned continuous availability of HPE technology with system, user, and data security optimized by XYPRO for the NonStop architecture.

In fact, some XYPRO security software is now an integral part of every HPE NonStop system, included in the HPE NonStop operating system. These include XYPRO's XYGATE User Authentication (XUA) and XYGATE Merged Audit (XMA) products—both fundamental to every NonStop customer's security needs. For example, XUA brings industry-standard, secure authentication to the NonStop environment, and XMA enables the NonStop platform to deliver cutting-edge data logging and real-time alerting mechanisms based on user activity.

"Protecting customer data is paramount, and with the increased payment processing expected during the 2020 Olympics, HPE NonStop with XYPRO security modules gives us confidence that we can handle the added workload while maintaining compliance with PCI DSS regulations."

– Spokesperson, Large Japanese Enterprise

Together, HPE and XYPRO provide a complete, integrated solution for secure, mission-critical computing.

Partnership brings PCI DSS-compliant, mission-critical solution to Japanese enterprise

Companies with mission-critical business requirements have put their trust in HPE NonStop and XYPRO security solutions for decades. In one example, a leading Japanese enterprise relies on HPE NonStop servers to process millions of payment transactions every day for its customers purchasing products and services.

The enterprise has always taken strong measures to protect customer data. But as the 2020 Summer Olympics in Tokyo approaches, Japan will experience a surge of visitors, and the company expects a dramatic increase in card purchases. Therefore, this customer wanted to further strengthen its protections and ensure compliance with Payment Card Industry Data Security Standard (PCI DSS) regulations, anticipating that the Olympics will place an enormous strain on its infrastructure. These proactive security intelligence and analytics measures needed to include not just securing its systems and data, but also having the mechanisms to prove compliance in the event of an audit.

Addressing the customer's needs required extending the HPE-XYPRO partnership to include other key players involved in delivering a complete, secure, and PCI DSS-compliant payment infrastructure. The focal point was the HPE Pointnext Japan team, which brought technology expertise with local industry and cultural insights to shepherd the solution from planning through delivery and deployment. This included coordination with the customer's information services organization and DXC Technologies, which manages the day-to-day operation of the payment infrastructure.

The solution for this customer included HPE NonStop servers with XYPRO XUA and XMA modules, as well as XYPRO SQLXPress and Merlon Auto Reload System (MARS) for automated analysis and streamlined management of the HPE NonStop SQL database. **HPE Pointnext** provided Installation and Startup Services, and trained the staff responsible for operating and managing the infrastructure. HPE Pointnext also provides ongoing technical support through **HPE Datacenter Care**. All the players worked collaboratively with a singular focus to provide the customer with a unified solution that met its needs for continuous availability, strong security, provable PCI DSS compliance, and simple administration.

Customer at a glance

Application/Solution
Integrated system, user, and data security for fault-tolerant servers

Hardware
• HPE Integrity NonStop servers

Software
• HPE NonStop OS

• HPE NonStop SQL

• XYPRO XYGATE User Authentication

• XYPRO XYGATE Merged Audit

• XYPRO SQLXPress

• XYPRO Merlon Auto Reload System

HPE Pointnext services
• HPE Installation and Startup Services

• HPE Datacenter Care

Complete portfolio of security solutions for fault-tolerant servers

This Japanese enterprise is just one example of how HPE and XYPRO work together, often with other partners, to deliver secure, fault-tolerant infrastructure for businesses with mission-critical requirements. Because the XUA and XMA modules are embedded in the HPE NonStop operating system, customers can be confident they work seamlessly within the HPE NonStop platform to mitigate risk.

Thanks to many years of collaboration between HPE and XYPRO, companies may also choose from a wide range of optional XYPRO security products with the same assurance that they will perform flawlessly on HPE NonStop servers. This includes everything from authentication, identity and access management, and data protection to security intelligence, audit and compliance, and database management. It's a complete portfolio to meet customers' needs for security, compliance, encryption, and data efficiency on HPE NonStop servers.

Learn more at
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