



Compass Plus TranzAxis and HP ProLiant DL980 Servers

An innovative core banking platform for retail banks

And the change continues

As your bank looks to the future, you probably see an endless stream of changes created by today's very unpredictable marketplace. In addition, you may be suffering from reduced margins and shrinking revenue. And let's not forget the struggle to meet growing security and regulatory requirements.

Adding to the list of "things to worry about most" are new players entering the industry, as well as customer demands for more services. And underlying all these issues are aging, inflexible retail banking solutions that resist change.

If these challenges sound familiar, HP and Compass Plus will help. We deliver a totally unique application development platform that enables you to embrace change, rapidly deliver innovative products and services, enhance customer loyalty, and reduce churn—while also meeting compliance and security requirements.

Proven solution, excellent results

If your organization has been using an aging, proprietary, and siloed banking system, you'll enjoy the excellent benefits of HP and Compass Plus' open, fully integrated application development platform that enables you to:

- Harness all retail banking IT resources enterprise-wide
- Enable continuous system availability with built-in fault tolerance
- Achieve outstanding performance using HP ProLiant DL980 Servers
- Automate retail banking processes and procedures
- Use proven software running on proven hardware and delivered as a proven reference architecture

HP and Compass Plus advantage

- Together, HP and Compass Plus provide a robust open application development platform that supports secure, high-performance, scalable, and fault-tolerant solutions with a lower up-front investment.
- HP performance tests prove the HP ProLiant DL980 Server is an excellent platform for handling TranzAxis business transactions, with 1066 transactions per second (TPS) for online processing of ATM transactions. The benchmark results also demonstrated that TranzAxis is capable of processing (balancing) 10 million current accounts with overdrafts, including interest and commission calculation, at a rate of 1500 TPS. Scanning and balancing all accounts in the portfolio required three hours to complete on

a statement date and one hour in the middle of the month. The account balancing procedure reassesses the state of the contracts, manages delinquency statuses, does postings (if required), and calculates provisions, etc.

- HP performance tests also show that TranzAxis will take advantage of the high core count found on an HP ProLiant DL980 Server. This helps to minimize the number of servers required to support your workloads—and that means reduced management overhead and costs.
- By following a unique testing methodology, the TranzAxis test environment is very close to a real production environment. This methodology shows real numbers and real results for the real world. We also test the entire system, rather than just the front or back end, or just ATM functions. We test financial contracts, overdrafts, and more.
- Our solution delivers low cost per customer transaction, which translates to lower TCO and greater profit.
- HP and Compass Plus offer a fully networked Converged Infrastructure solution, complete with servers, database, application, and storage. The reference architecture (RA) for deployment of this solution has been fully tested and proven to operate in real-world scenarios.
- Boosting system availability by as much as 200%,¹ the HP ProLiant DL980 Server with HP PREMA Architecture—combined with Compass Plus—enables extreme performance with reduced inter-processor communication traffic, all at a fraction of the price you would expect to pay.²
- To provide the performance users demand in scale-up applications and virtualization environments, HP ProLiant DL980 Servers are powered by the Intel® Xeon® Processor E7-family and 7500 series, with up to 10 cores per CPU.
- To keep TranzAxis always available, HP ProLiant DL980 Servers recover from system failure in as little as four seconds.

Make your IT your own with TranzAxis

As proven by Compass Plus and many well-known and very successful global companies—the systematic consolidation of the latest information technologies into specialist software engineering environments is the most effective way of applying these technologies to sophisticated corporate solutions.

¹ Based on system crash rates' comparison between the HP ProLiant DL980 G7 Server to the HP ProLiant DL785 G5 Server. System crash rate is determined by availability features such as hot-swap components, resilient paths, ECC, and tolerant links such as QPI.

² Based on the TPC-H price performance per query results for non-clustered systems at 3000 GB.



Built in such an environment, TranzAxis—a specialist open development banking platform—inherits all of these advantages. TranzAxis goes far beyond the architectural and conceptual frameworks of the most advanced electronic payments systems that exist today.

TranzAxis is designed to support all systems and applications within the retail banking domain. TranzAxis offers a full set of application development tools (builders, designers, editors, and debuggers), as well as a set of specialist components that may be required when implementing diverse applications in the given domain.

Much more than an end product, TranzAxis is a powerful platform used to build an endless array of financial applications—empowering you to create integrated financial products and services within record-breaking time with comparatively lower effort. The platform offers a single comprehensive application programming interface (API) for application development, as well as extensive software development kits (SDKs) that remove the boundaries to innovation.

For financial institutions that want the ability to create unique products and services—but would prefer using a platform that comes equipped with many prebuilt yet ultimately customizable applications to build off—Compass Plus offers an alternative. You can pick and choose from a number of solutions developed in-house that can be utilized as a start-up kit.

Delivering confidence and reliability

Choosing the right software for your retail banking solution is a very important decision. But you must also consider the server platform. For TranzAxis, the best choice is HP ProLiant DL980 Servers.

Powered by advanced Intel Xeon Processor technology, the HP ProLiant DL980 Server platform is a massively resource-dense, scale-up server. Built on industry standards, the HP ProLiant DL980 Server is designed to break through the inefficiencies of scale-out computing with the ability to handle the largest and most challenging applications and workloads.

With the goal of fast, easy deployments that you will customize and grow on demand, HP ProLiant DL980 servers maximizes performance and efficiency. HP ProLiant DL980 Servers mean reduced bottlenecks, better performance, enhanced reliability, lower infrastructure costs, and much more.



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Storage built for virtualization and the Cloud

Another key component of any retail banking solution is storage. And today, HP 3PAR Storage is the only storage platform that will meet the demands of the modern data center.

Delivering 50% savings in total cost of ownership, HP 3PAR Storage is:

- **Multi-tenant and federated** – Manage unpredictable workloads and double virtual machine density. HP 3PAR Storage supports huge numbers of applications, mixed workloads, and customers—securely and concurrently—without performance or resiliency impact.
- **Efficient** – Reduce acquisition and operational costs by 50%—guaranteed.³ HP 3PAR Storage allows you to reduce up-front capacity requirements, reduce technology refresh costs, and eliminate stranded capacity using thin technologies.
- **Autonomic** – Save up to 90% of administrator time.⁴ Trust HP 3PAR Storage to simplify, automate and expedite storage management—intelligently and without administrator intervention.

Your next steps

Contact your HP representative today and arrange for an assessment of your IT environment. Discover how the Compass Plus TranzAxis software running on HP ProLiant DL980 Servers will create a unique development environment that enables you to embrace change, rapidly deliver innovative products and services, enhance customer loyalty, and reduce churn—while also meeting compliance and security requirements.

For more information, you can also visit:

compassplus.com

hp.com/go/DL980

intel.com/products/processor/xeon/index.htm

³ Requires the use of HP 3PAR Thin Conversion Software and HP 3PAR Thin Provisioning Software. For details, refer to the Get Thin Guarantee Terms and Conditions. More information is available at: hp.com/storage/getthin

⁴ Based on HP Storage customer results, available at: [HP Storage Customer success stories](#)



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