Hewlett Packard Enterprise

Solution brief

Adopt the only fully integrated, fault-tolerant compute on x86

HPE Integrity NonStop X

Standardize on the x86 architecture for your NonStop environment and extend your investments into the future.

"Though it's a cliché, an end-to-end fault-tolerant, massively scalable platform on x86 may turn out to be a classic 'if you build it, they will come' scenario for the highest-value workloads."

– Peter Rutten, Research Manager, Server Solutions, IDC

Open up a world of new possibilities

In today's Internet age, the need for customer-facing applications to be continuously available and massively scalable is growing more and more critical every day.

With "all standard" hardware components, the new HPE Integrity NonStop X offers endless possibilities for mission-critical applications to inherit the highest availability, massive scalability, and operational efficiency when deployed on Intel® Xeon® processors.

With HPE Integrity NonStop X you can:

- Leverage the proven architecture of NonStop on an x86 platform
- Meet internal directives to standardize on x86 without sacrificing the NonStop attributes
- Eliminate the pressure to meet stringent SLAs, but also reduce data center costs
- Deploy new mission-critical applications on x86 that require fault-tolerance
- Leverage the best of NonStop fault-tolerance for your most-critical Java applications
- Utilize NonStop SQL as a massive database source for Big Data applications and analytics, as well as mobile device-based transactions
- Deploy NonStop X as a continuously available transaction service for private cloud architectures

HPE Integrity Nonstop X delivers more than ever before

- Gain significant improvements in capacity and performance, scalability, and efficiency
- Deploy an industry-standard interconnect with the increased throughput capacity of InfiniBand
- Achieve up to 50 percent less footprint density per 16 CPU system

"...performance and availability are everything. That's why we put our trust in HPE Integrity NonStop to flawlessly handle 3.5 billion ATM transactions a year.

With that kind of track record, we're very excited about NonStop X and what it brings to x86."

– Ian Gausden, Managing Director, VocaLink

Experience a seamless migration with HPE Technology Services

Easily migrate applications and databases from current NonStop systems to NonStop X
No other company can offer the full services portfolio and technology coverage for NonStop platform migration. HPE Technology Consulting provides strategic consulting for business case creation, roadmap analysis, proof of concept, migration design and planning, and migration implementation services with highly skilled migration expertise, proven migration methodology, and migration tools and frameworks.

Many existing NonStop applications will run with minor changes
Most existing non-native NonStop applications will run on NonStop X without change, and some can take advantage of the new system's performance using the new NonStop X accelerator.

Native applications can take advantage of the new NonStop X compilers with few, if any source code changes.

Choice and flexibility for NonStop customers

Architectural independence for a timeless solution, regardless of the hardware infrastructure
HPE NonStop has always adopted the best technology available to meet customer needs—and has successfully migrated the software stack several times to different processor technologies.

The addition of NonStop X provides current NonStop customers with the flexibility to choose continued investments in the current Intel® Itanium®-based NonStop i platform or to migrate to the new NonStop X platform at their own pace.

HPE is committed to your NonStop investments either way.

Learn more at
hpe.com/info/nonstop

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