



HP Integrity Superdome 2

Overview

The new [Superdome 2](#) redefines mission-critical computing with a completely new, modular architecture. For the first time, clients can deploy, automate and manage a complete range of applications side by side in the same enclosure. With a single management platform, these applications can be controlled across servers, storage and networking – using the same components, tools and processes.

Superdome 2 is built on a unified Blade Scale Architecture and expands the [HP Converged Infrastructure](#) to mission-critical environments. This provides clients a common platform to consolidate, automate and manage their most demanding business applications.

Superdome 2 enables clients to independently scale input/output (I/O) and processors as needed to meet changing business demands. Additionally, by using standard eight- and 16-socket building blocks, HP is now able to offer the Superdome 2 at a 40 percent lower entry price point than its predecessor.⁽¹⁾

Superdome 2 is a reflection of HP's more than 10 years of market leadership with HP Integrity servers.⁽²⁾ It features Intel's latest quad-core processor, the Intel® Itanium® 9300 series, bringing significantly increased performance along with a range of new reliability, scalability and virtualization features.

New features improve uptime

Superdome 2 ensures global business continuity through more than 100 technology innovations in resiliency, scalability and availability. These innovations include the fault-tolerant Crossbar Fabric, which intelligently routes data between blades and I/O with complete redundancy. This helps boost infrastructure reliability by up to 450 percent.⁽³⁾

The modular bladed design of Superdome 2 has interchangeable components and its enclosure fits in a standard rack. By having a common management environment as well as common power supplies, fans and I/O options, data center managers can simplify operations by using the same parts across all HP solutions.

Rack once, wire once, power once

With Superdome 2, clients only need to physically rack and wire their servers once. This means that as clients' technology infrastructures change and grow, there is no

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need to rewire or re-rack the servers, because the infrastructure management tools always know where the physical assets are. Additionally, Superdome 2 offers Power-on-once technology, which delivers high availability and includes a set of resiliency features that keep mission-critical applications running. Additional benefits include:

- Improved reliability and reduced downtime using the predictive error handling of the Superdome Analysis Engine, which proactively checks for errors then automatically corrects and recommends resolutions when needed.
- Increased data and application protection with an End-to-end Transaction Retry feature that optimizes and reroutes data traffic to ensure transaction integrity.
- Reduced risk of downtime with the ability to perform routine maintenance activities without turning off or rebooting the system. This ensures maximum availability for mission-critical applications.

Availability

Superdome 2 will be available later this year.

More information about HP Superdome 2 is available at
www.hp.com/go/superdome2

- (1) Based on HP analysis using Superdome 2 planned pricing as of April 2010. Comparison is between entry point configurations of previous generation Superdome and Superdome 2.
- (2) More than 80 percent of Global 100 companies rely on HP Integrity servers; based on internal HP calculations.
- (3) HP Internal Analysis; comparing hardware crash rates between HP Integrity Superdome and HP Integrity Superdome 2 (using infrastructure components only).

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