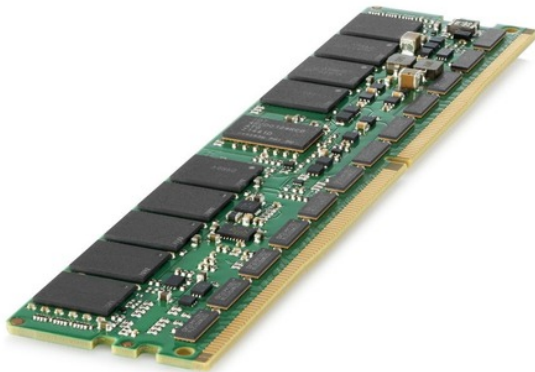**HPE Adds DRAM/NAND Hybrid to Servers**

Written by Marco Attard
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HPE announces servers with built-in support for Persistent Memory, a hybrid memory/storage technology combining the speed of DRAM with the non-volatility of flash memory for "significant" performance and resiliency gains.

Dubbed NVDIMM (Non-Volatile Dual In-Line Memory Module), the technology pairs 8GB of DRAM with 8GB of NAND flash. As well as persistence and performance, HPE says Persistent Memory ensures no data is lost from the memory module in case of power outage, since the flash backs up all DRAM contents while a Smart Storage Battery (with support for up to 16 NCVDIMMs) provides backup power.

"We are delivering on that commitment by delivering a complete Persistent Memory hardware and software ecosystem into our server portfolio, as well as delivering enhancements that will allow customers to increase agility, protect critical information and deliver new applications and services more quickly than ever before," the company says.

The first HPE products with Persistent Memory support are the top-of-the-line ProLiant Gen9 servers featuring the latest Intel Xeon processors. Designed to support up to 22 cores and memory speeds up to 2800MT/s, the Xeon E5-2600 v4 promises performance gains of up to 25% with virtualisation enhancements, added security and improved orchestration capabilities.

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