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Claim your advantage

HPE Trade and Match Server Solution for high-frequency trading order execution

Trade faster with a high-density solution designed to increase performance, lower latency, and co-locate easily in exchange data centers.

Process trades faster to gain competitive advantage, without increasing IT spend

When milliseconds = millions of dollars

Speed is of the essence for exchanges, brokerages, and trading firms that capitalize on high-frequency trading (HFT). That's because shaving microseconds off response times can yield tremendous profits for your customers—and your firm.

In this environment, extremely low latency allows you to process trades faster than the competition—and gives you a critical competitive advantage.

The latency advantages you're seeking can be achieved in two ways:

- Through faster processing, enabled by advanced high-performance computing (HPC) architectures
- By taking advantage of the opportunity to co-locate your servers on the same network as the stock exchange, reducing the physical distance that data must travel

The HPE Trade and Match Server solution enables both of these advantages, while allowing you to enjoy significant capital and operating expense savings with high-density, economic Apollo 2000 System building blocks.

Choose a configuration to fit your needs:

- **Single unit**—One Apollo 2000 chassis with 2 or 4 servers
- **Small cluster**—Four Apollo 2000 chassis with 8 or 16 servers
- **Large cluster**—Nine Apollo 2000 chassis with 18 or 36 servers

Better protect data privacy

The HPE Comprehensive Defective Material Retention (CDMR) Service allows you to retain drives and all non-disk data retentive components in the event of a server replacement—so you can follow your own best practices for equipment disposal.

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Business outcomes

Reduce latency with advanced HPC technology

HFT algorithms process only one command at a time, so they require only a single processor (1P) server. Using a 1P server for HFT workloads allows you to save costs with lower core counts and save time by tuning and optimizing frequency to avoid over-provisioning. It also helps you speed transactions by:

- Using custom HPE configuration tools to overclock processors above the maximum Intel® Max Turbo level to obtain the fastest possible processor speed
- Eliminating inter-processor communication and memory bandwidth sharing
- Reducing "jitter"—deviations in processing time—to provide more predictability and similarity in transaction lengths

Deploy infrastructure in the heart of the exchange

Co-locating within an exchange data center provides significant latency reduction, but exchanges typically have strict space and power limitations. The HPE Trade and Match Server solution is based on the density-optimized HPE Apollo 2000 System, which is specifically designed with a rack form factor that allows it to fit into a rack server data center with no need to change anything.

Enjoy high-density processing power

With a choice of two or four independent hot-pluggable servers in a standard 2U chassis, the HPE Apollo 2000 System packs a lot of performance and workload capacity into a small amount of data center space. In fact, four HPE Apollo 2000 System servers in a single 2U chassis provide 2X the performance density of standard 1U servers—four servers in 2U vs. 4U of rack space—at a comparable cost.

Don't wait any longer—claim your HFT advantage today.

Learn more at **hpe.com/servers/fsi-solutions**

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4AA6-3404ENW, November 2016, Rev. 1