



Will hyper-threading give me better performance?

Unfortunately the answer to this one is No. The issue with hyper-threading is that unlike multi-core processors hyper-threading does not provide true Symmetric Multi-Processing as the processor's cache is actually shared between the various threads. This can become a serious problem when running under heavy SQL Server loads, which is the case on most Exaquantum Servers, and can actually result in a loss of performance as the two 'pseudo cores' will fight over the cache content.

Due to these circumstances we strongly recommend that hyper-threading be disabled in the BIOS on all Exaquantum Servers.

To check if the server is hyper-threaded is a bit fiddly. The simplest way is to check the performance tab of the Windows Task Manager, as if the processor is hyper-threaded there will be two CPU Usage histograms. However, this would also appear if there was two single core none hyper-threaded CPUs or a single dual core CPU, so extra hardware knowledge would also be required.

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