



THE SIX BEST KEPT SECRETS OF QUANTUM QXS



1) DYNAMIC HEURISTICS

Quantum QXS Q-Tier uses a dynamic heuristic algorithm, often used in the anti-virus market, to track overall trends and usage. QXS Q-Tier doesn't parse every bit of data to determine usage so the CPU overhead is minimized. QXS uses 1-2% of CPU vs 50-75% of CPU overhead for competitors.



2) Q-TURBO

QXS Q-Turbo provides an exceptionally high bandwidth, low latency, active-active write-back cache capability, which approaches the performance of a dual independent cache mode operation. QXS Q-Turbo writes to the first controller and is instantaneously and simultaneously mirrored to the cache of the second controller (broadcasted to the 2nd controller's cache). This provides a 50% write improvement over traditional methods (5.3GB / sec). The traditional method involves writing to the first controller, then writing to the second controller and finally, verifying that it was written correctly to the second controller.

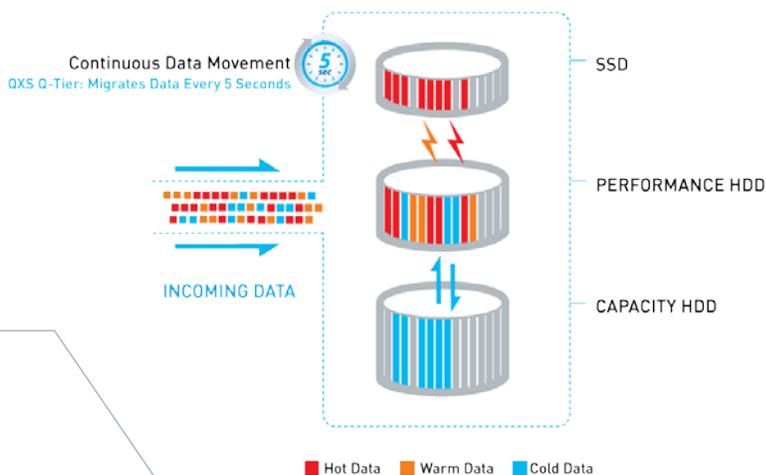


3) DETERMINISTIC CACHE

QXS has deterministic write cache which automatically detects random workflows (DB, OLTP) and shifts those writes directly into SSD vs into initially performance drives enabling a significant improvement in random workflows read and writes.

4) THREE LEVELS OF TIERING

QXS Q-Tier is able to manage storage between three distinct tiers: SSD, performance and nearline enabling a very cost effective solution as well as providing integration into archiving on both tape and the cloud. Most competitive hybrid solutions work with only 2 levels of tiering.



5) MIL-SPEC AND NEBS LEVEL-3

While complying with the MIL-SPEC or the NEBS specification would be an achievement and something most of our competitors do, complying with both MIL-SPEC and NEBS is very unique. Even if you aren't selling to either the government (MIL-SPEC) or to telecom (NEBS) you can utilize both of these specifications to your advantage. These standards demonstrated in an industry acceptable and documented manner that the Quantum QXS storage is bullet proof and able to withstand extreme heat, significant 'shaking', dust and other nasty environmental conditions.

MIL-SPEC
+
NEBS

6) PERPETUAL SOFTWARE LICENSES

Quantum QXS series software licenses are provided in perpetuity for the existing system regardless of the storage capacity managed. Often competitors charge for software based on the amount of storage managed. This can be thought of as a 'scaling tax', as you increase the amount of storage within your system, the license fees for the management software increase significantly and applied every time you increase your storage capacity.



ABOUT QUANTUM

Quantum is a leading expert in scale-out storage, archive and data protection, providing solutions for sharing, preserving and accessing digital assets over the entire data lifecycle. From small businesses to major enterprises, more than 100,000 customers have trusted Quantum to address their most demanding data workflow challenges. With Quantum, customers can Be Certain™ they have the end-to-end storage foundation to maximize the value of their data by making it accessible whenever and wherever needed, retaining it indefinitely and reducing total cost and complexity. See how at www.quantum.com/customerstories.

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