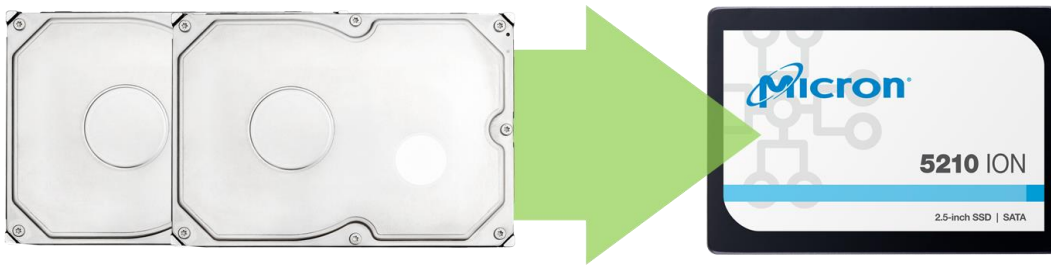




Hadoop & Big Data

To turn data and analytics into action, businesses are moving HDDs in performance-sensitive workloads to affordable and efficient SSDs. The Micron 5210 delivers.



Micron 5210 QLC SSD vs. Legacy HDDs

Everyday Hadoop Metric	HDD	5210	Improvement
Random Text Writer	18 mins	12 mins	30%
TeraGen	32 mins	18 mins	40%
TeraSort	3.5 hours	2.3 hours	35%
Sort	4.5 hours	2.5 hours	50%

2TB dataset, 3X replication, single test run completion times

5210 Advantage **2+** **Hours Saved!**

How much is your time worth?

Typical Hadoop & Big Data Workload

Storage access pattern: sequential reads & writes

Storage IO size: 128K

Read/write ratio: 90% read / 10% write

How the workload works:

- Queries touch terabytes of data
- Results delivered after all data analyzed & slowest storage media has responded
- HDDs typically the bottleneck & QLC is the affordable solution

Ready to learn more? [Read Micron's in-depth research](#)