DELMIA Quintiq
Dataset Store

Benchmark:

2x	Import & Sync Performance	(DSS: 01:47 | DB: 03:38)
4x	server startup	(DSS: 00:34 | DB: 01:57)
7x	load/create/copy scenario	(DSS: 00:14 | DB: 01:37)
300x	full restore from backup	(DSS: 00:02 | DB: 10:11)
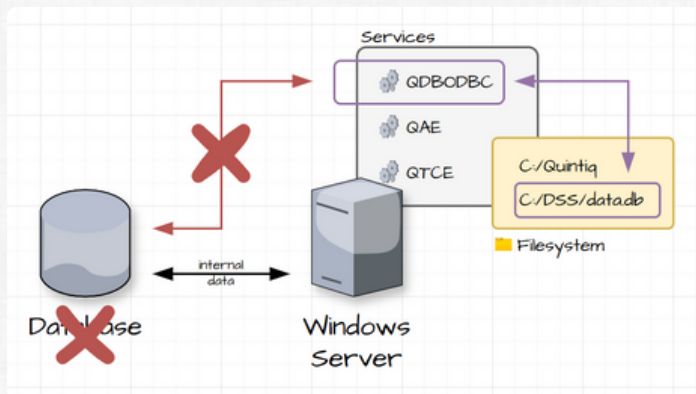
What is the Dataset Store?

Dataset Store (DSS) is DELMIA Quintiq's internal NoSQL, MVCC, append-only object database designed for real-time transactions with full ACID compliance. Integrated into the QDBODBC component, it **eliminates the need for traditional relational databases**, external licenses, and dedicated database administrators. Instead of using a query language, it relies on Quintiq's Quill for data retrieval, ensuring seamless performance. The entire Dataset Store is **stored as a single file on the filesystem**, meaning there is no network, firewall, or intermediary that could introduce delays or issues.

By reducing maintenance overhead, handling automatic backups, and simplifying data restoration, Dataset Store minimizes administrative complexity. Organizations benefit from improved application performance, lower database-related costs, and a streamlined infrastructure. With continuous updates and enhancements, Dataset Store remains a reliable and future-proof storage solution for Quintiq applications.

your benefits:

- ✅ High Performance: Dataset Store enables fast and reliable data persistence without network-induced delays.

- ✅ Cost Savings: external database licenses, dedicated database administrators, and additional infrastructure

- ✅ Reduced Complexity: no network dependencies, firewalls, or external database maintenance tasks

- ✅ Future-Proof: Continuous improvements and seamless integration with Quintiq

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