DELL Technologies

5 Powerful Reasons Why You Should Choose the **Dell AI Data Platform**

While others are either catching up or focused on siloed solutions, we're leveraging a comprehensive, modern data architecture to bring next generation data services to our customers' data centers. When data is **placed** seamlessly, **processed** intelligently, and **protected** uncompromisingly, your potential is limitless.

The Dell AI Data Platform, featuring Dell Data Lakehouse, Dell PowerScale, and Dell ObjectScale storage, isn't just built for today's challenges; it's designed to enable tomorrow's AI workloads by being open, flexible, and secure.

1 Unlock the Power of Your Data Effortlessly with **Open Formats**

Dell's AI Data Platform with open standards seamlessly integrates into your existing ecosystem. Unlike traditional proprietary solutions, our platform embraces open formats, giving you the flexibility to move away from restrictive models. Not only does this eliminate disruptive migrations and redundancies, but it also equips you with in-place access to all your data. Beyond simply supporting open data lakehouse formats like Iceberg, Delta, Parquet, ORC, and Avro, our platform enables you to federate structured data sources, create dynamic data products, centralize security and governance, and modernize outdated infrastructure. By removing barriers and unlocking your data's full potential, we empower your team to innovate faster, make smarter decisions, and adapt seamlessly to evolving demands.

2 Harness the Potential of **Instant Insight**

We offer a unique integration of Starburst software for lightning-fast queries on data wherever it lives, across diverse sources. In addition, our AI Data Platform outpaces competitors by speeding up data processing and query performance using GPU acceleration with NVIDIA RAPIDS for Apache Spark. This means faster insights and smarter analytics. The platform also uses WarpSpeed technology to boost query speeds and shrink cluster sizes by creating smart indexes and data caches optimized for specific tasks. Additional features, like faster data readers and advanced query planning, make it even easier to handle large datasets efficiently, saving time and resources over competing solutions.
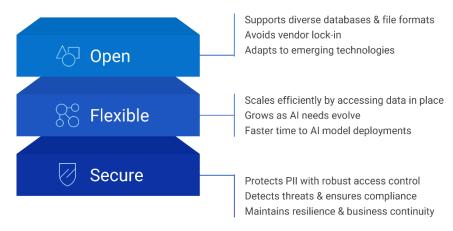
3 Lead Innovation with **Incredible Performance**

Engineered for breakthrough performance, the AI Data Platform delivers an unmatched foundation for AI and data-intensive workloads with extreme density at scale. With our AI-optimized all-flash portfolio, we deliver up to 220% faster data ingestion and 99% faster data retrieval, enabling unprecedented efficiency for AI workloads[1]. Exceeding the stringent requirements for NVIDIA's DGX SuperPOD, NVIDIA Cloud Partner certification, and the NVIDIA-certified Storage program, our AI Data Platform empowers organizations of every size to scale AI initiatives seamlessly. This isn't just performance; it's a foundation for innovation, agility, and growth.

4 Scale Quickly, Simply and Flexibly

Our AI Data Platform is designed to enable rapid and seamless scalability, making it simple and flexible to address evolving business needs. By leveraging innovative automation, integrated AI frameworks, advanced data orchestration and modern storage solutions, the platform empowers organizations to scale operations efficiently. This modular architecture allows you to expand resources as needed, whether increasing compute power, storage capacity, or analytics capabilities, without disrupting existing workflows. Pre-configured solutions reduce deployment time, while streamlined management tools ensure that scaling up or down remains highly intuitive and economical. With the ability to handle diverse workloads and adapt to rapidly changing requirements, our AI Data Platform ensures growth is both efficient and future ready. This agility helps businesses stay competitive and innovative, no matter the complexity or size of their data environment.

5 Protect what Matters - Everywhere

Data security isn't optional - it's essential. Our AI Data Platform offers comprehensive protection for your data at every stage with access control over all connected data sources, cloud providers and client tools and integrations and support for numerous security protocols at every layer, your data is safe from inception. Innovative S3 operations logging, detailed auditing, and WORM SmartLock technology, keep data safe from unauthorized changes or deletions. Immutable snapshots and MPA functionality provide extra layers of assurance, while root account lockdown strengthens your security protocols. It also includes security capabilities working with the data as it's transformed, queried or as data products are created, ensuring that they comply with GDPR and other governance requirements   Whether scaling workloads or adapting to dynamic environments, the platform offers peace of mind without compromising usability. When you choose the Dell AI Data Platform, you're choosing a solution that safeguards your most critical assets while empowering your business to innovate securely.

Open
Supports diverse databases & file formats
Avoids vendor lock-in
Adapts to emerging technologies

Flexible
Scales efficiently by accessing data in place
Grows as AI needs evolve
Faster time to AI model deployments

Secure
Protects PII with robust access control
Detects threats & ensures compliance
Maintains resilience & business continuity

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