



Mage Data Announces TDM 2.0 with Database Virtualization - Delivering Faster, More Secure, and Cost-Efficient Test Data

Mage Data launches TDM 2.0 with Database Virtualization, enabling faster, secure, and cost-efficient test data management for AI-driven enterprises.

NEW YORK, NY, UNITED STATES, October 31, 2025 /EINPresswire.com/ -- Mage Data, a Leader in Data Security Platforms (KuppingerCole) and a Champion in [Test Data Management](#) (Bloor Research), today announced the addition of [Database Virtualization](#) to its Test Data Management (TDM) platform. Beyond the capabilities that traditional TDM solutions offer, Mage Data had already extended protection to production environments through Dynamic Data Masking (DDM) and Database Firewall capabilities - creating a unified framework that bridges test and production data security. These innovations along with Database Virtualization elevate their TDM platform to an industry next generation, TDM 2.0, enabling enterprises to provision, protect, and manage data faster, more securely, and at a significantly lower cost.

As organizations accelerate AI adoption, DevOps pipelines, and data-driven innovation, the need for high-quality, privacy-safe test data has never been greater. Traditional test data management methods reliant on full physical copies can't keep up with the speed, scale, and compliance demands of modern development.

Enterprises spend 40–60% of their non-production infrastructure budgets maintaining multiple physical database copies for testing and development (Computer Economics). These copies consume storage, increase licensing costs, and slow release cycles from hours to days or even weeks.

Mage Data's Solution: Database Virtualization

Mage Data's Database Virtualization delivers a major efficiency leap by replacing full physical copies with lightweight, instantly provisioned virtual databases. Teams can clone, refresh, and reuse environments in minutes instead of days, cutting storage needs by up to 99% and sharply reducing operational costs - with data privacy and compliance built in by design.

Independent studies show that organizations using database virtualization achieve 200–400% higher ROI, 30–50% lower infrastructure costs, and 60–80% faster data delivery than traditional copy-based methods—demonstrating its clear impact on efficiency and agility.

“Mage Data’s addition of Database Virtualization is game-changing for Test Data Management,” said Dan Neault, industry expert and Board Advisor to Mage Data. “The company has transformed a traditionally fragmented, infrastructure-heavy process into a unified, intelligent, and secure data fabric that supports both test and production environments. By integrating Dynamic and Static Data Masking, Database Firewall, and now Database Virtualization under a single privacy-first platform, Mage Data’s TDM 2.0 sets a new standard for how enterprises can accelerate development without compromising trust. It’s not just an incremental evolution of TDM—it’s a future-focused blueprint for secure data agility that uniquely elevates the business value of Mage’s TDM.”

Secure, Lightweight, and Scalable

Built on a lightweight, flexible, and cloud-capable architecture, Mage Data’s Database Virtualization requires minimal infrastructure, involves no vendor lock-in, and supports hybrid deployments. Each virtual instance is automatically protected with policy-driven data masking and compliance-ready controls aligned with GDPR, HIPAA or any other regulatory requirements.

“With Database Virtualization, Mage Data raises Test Data Management to the next level,” said Krishnan Cheerath, VP of Products at Mage Data. “Enterprises no longer need to choose between speed, security, and cost. Teams can instantly provision compliant test environments, snapshot, clone, and refresh databases within minutes, and manage the entire data lifecycle - from subsetting and masking to provisioning and virtualization - with privacy built in at every step. Mage Data’s TDM 2.0 is the industry’s only unified solution that secures both production and non-production data, delivering faster innovation, lower costs, and continuous compliance.”

Key Benefits of Mage Data Database Virtualization

- Significant Cost Savings

Eliminate the need for full physical database copies, delivering up to 99% storage savings. By reducing dependence on servers, cooling, and maintenance, organizations lower infrastructure and licensing costs while freeing DBA time - creating a leaner, more cost-efficient test data ecosystem.

- Instant Provisioning for Faster Innovation

Self-service test environments in minutes instead of hours or days. This rapid provisioning accelerates release cycles, boosts productivity, and reduces downtime - driving faster innovation and higher-quality releases.

- Simple Snapshot & Clone Management

Simplify test data operations through rapid snapshot creation and point-in-time rewinds while giving teams always-available, synchronized environments that align with DevOps speed and precision.

- Lightweight and Flexible Architecture

Lightweight and scalable, requiring no special hardware and supporting cloud, on-premises, and

hybrid deployments. With no vendor lock-in and a minimal footprint, enterprises can adapt as data demands evolve—ensuring long-term agility and lower total cost of ownership.

- Built-in Data Privacy and Compliance

With policy-driven data protection, automated masking, and compliance-ready frameworks for regulations like GDPR and HIPAA, organizations can safely leverage data without exposing sensitive information. Every virtual instance is secure by design.

With the launch of Database Virtualization, Mage Data continues to redefine the boundaries of Test Data Management and enterprise data security. By unifying virtualization, masking, and firewall capabilities under one intelligent, privacy-first platform, Mage Data empowers organizations to innovate faster, reduce costs, and maintain unwavering compliance. TDM 2.0 isn't just about managing test data - it's about enabling secure, agile, and future-ready data ecosystems for the AI-driven enterprise - powered by security that's built-in, not bolted on.

About Mage Data

Mage Data is a leader in data security and privacy software for global enterprises. Recognized as a Champion in Test Data Management (Bloor Research), Leader in Data Security Platforms (Kuppinger Cole) and Strong Performer in Dynamic Data Masking (Forrester), Mage Data's award-winning and patented platform enables global organizations to navigate privacy regulations while ensuring robust security. Mage Data's client roster includes Fortune 500 companies, Ivy League universities, and leaders in the financial and healthcare sectors, all of whom rely on Mage Data's platform for effective data privacy and security solutions.

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