



Solution Brief

# Silk Copy Data Management

## Maximize Efficiency and Unlock Innovation

Silk's Copy Data Management capability empowers enterprises to streamline operations, reduce costs, and improve data utilization. Whether supporting dev/test, analytics, AI/machine learning, or disaster recovery, Silk delivers unmatched speed, scalability, and efficiency — eliminating delays and fostering innovation.

## Why Silk for Copy Data Management?

Silk offers instant, zero-footprint database cloning, enabling organizations to create thin clones instantly without additional storage overhead. These capabilities support advanced analytics, machine learning, and AI by providing rapid read/write replicas, and databases can be provisioned to multiple hosts in seconds. Advanced snapshots and recovery solutions ensure organizations can instantly create point-in-time snapshots without costly full copies. Automated data refreshes streamline operations, while rapid recovery processes minimize downtime with near-zero RPO and RTO for critical systems.

Dynamic scalability and resource optimization are central to Silk's capabilities. Organizations can scale resources up or down in real time to match workload demands. With global inline deduplication and compression achieving an average data reduction ratio of 4.7:1, Silk's thin provisioning allocates storage dynamically for peak efficiency. Seamless integration with existing tools, CI/CD pipelines, and workflows ensures that real-time access to production-grade data is always available for AI and analytics. Additionally, modular upgrades and recovery processes support smooth transitions without operational disruptions.

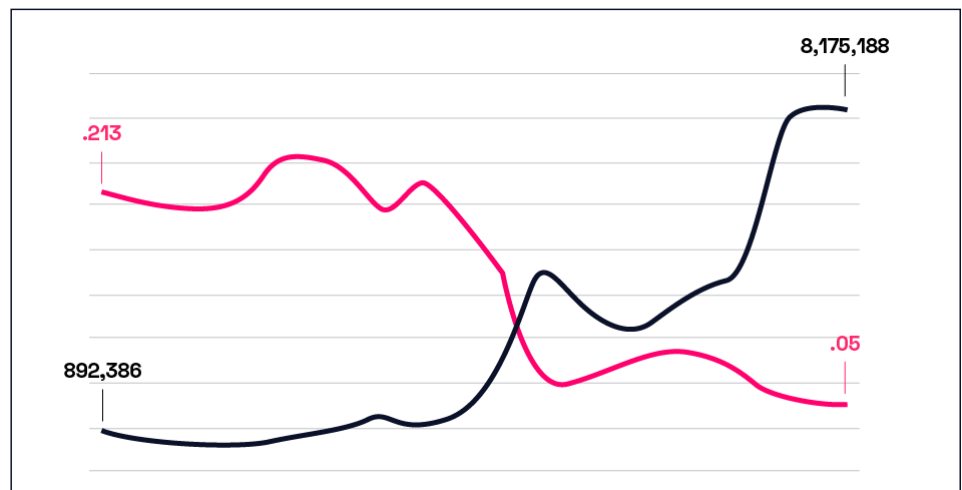
### Copy Data Management features:

- Instant, zero-footprint, read-write copies
- Database-aware copy management with new Silk Echo technology
- Simple yet robust replication, including concurrent, cascading, and multi-source replication
- Data reduction from thin provisioning, compression, zero-elimination, and deduplication

## Proven Benefits for Your Business

### Cost Savings

Silk reduces the need for cloud resources and eliminates the inefficiencies of traditional database copying. By enabling instant, zero-footprint clones and minimizing storage overhead, Silk frees up budget that would otherwise be spent on excess infrastructure. These savings can be reinvested into innovation, growth, and other high-impact initiatives across your business.



Cost Per Provisioned GB with Silk | Provisioned Capacity on Silk (GB)

## Faster Time-to-Market

With Silk's automation of database provision and refreshes, teams can bypass traditional bottlenecks and accelerate development timelines. Instead of waiting hours or days for data environments to be set up, developers and analysts can begin working in minutes. This speed helps organizations release new features, products, and services faster – staying ahead of the competition and delivering value to customers sooner.

## Enhanced Collaboration

Silk provides consistent, production-grade data environments that support real-time collaboration between teams. Developers, QA, data scientists, and business analysts all work from the same high-fidelity data sets, improving accuracy and alignment. This reduces miscommunication, minimizes rework, and helps cross-functional teams move forward with confidence.

## Optimized Resource Usage

With dynamic resource scaling and intelligent thin provisioning, Silk ensures that infrastructure is always right-sized to meet workload demands – no more, no less. Inline deduplication and compression further optimize efficiency, reducing unnecessary cloud spend. And with instant access to data when and where it's needed, your teams stay productive without overprovisioning.

**Transform your data-management strategy with Silk and Copy Data Management. Collaborate effectively, innovate faster, and maximize ROI — all while reducing costs.**

**Let's talk today!**

### Real-World Impact

Sentara Healthcare leveraged Silk's technology to reduce nightly refresh times from 7-10 hours to just 15 minutes using zero-footprint clones. This improvement not only enhanced database access but also reduced Microsoft Azure cloud costs by 20 percent, ultimately leading to better patient care.

SimCorp Financial Services transformed its customer onboarding process, reducing the time required from weeks to hours with instant cloning capabilities, accelerating SaaS adoption, and increasing satisfaction.

### About Silk

Silk fuels AI innovation by enabling real-time access to production data in the cloud. Seamlessly integrating high-performance cloud storage into AI workflows, Silk empowers organizations to enhance innovation while maintaining performance, reliability, and control over trusted enterprise data. Silk's agile data delivery eliminates the need to copy production data enhancing flexibility and enabling production data to be leveraged for Generative AI.

Backed by over 20 technology patents, Silk helps customers unlock the full potential of the public cloud with speed and ease. Silk is headquartered outside of Boston, MA.

To learn more, visit [silk.us](https://silk.us).