Silk for Financial Services

Predictable latency for the systems that move money. Run trading platforms, investment SaaS, and asset management databases in the cloud faster, with proven resilience, and without refactoring.

Solution Brief

Clients experience your technology as execution speed, report availability, and uptime. When critical databases move to the cloud, all three ride on a layer most migration plans overlook: the data layer.

The Financial Services Reality

Financial institutions are moving their most critical databases into Azure, AWS, and Google Cloud while under pressure to cut cost, prove operational resilience, and put AI on live data. The move exposes a hard limit: native cloud disks cap IOPS per volume and per VM, so databases stall exactly when markets move. The standard fix of overprovisioned premium disks, bigger VMs, and constant tuning drives up spend that is first in line for scrutiny.

Meanwhile, every team that touches production wants its own copy: development, QA, reconciliation, analytics, and AI. Manual refreshes take days, teams end up working from stale data, and each copy adds full-price storage.

The Data Layer Beneath Your Systems of Record

Silk is an adaptive, software-defined SAN that runs inside your own cloud tenant, beneath your databases and above cloud infrastructure. It decouples performance from VM size and disk tier, so a single database gets sub-millisecond response at IOPS levels native disks can't reach, and every team gets a current copy of production in minutes without paying to store it again. No application changes. No re-architecture.

Trading · Investment SaaS · Asset management

MS SQL · Oracle · PostgreSQL

Azure · AWS · Google Cloud

Built for Workloads Finance Can't Slow Down

01 — Trade through peak volume
Consistent sub-millisecond latency when markets move, not just a good average.

02 — Move to the cloud without a rewrite
Lift and shift SQL Server and Oracle as they are, and beat on-premises speed.

03 — Cut storage spend, not performance
Stop buying capacity to get speed: up to 50% lower cloud storage cost.[1]

04 — Fresh production data for every team
Dev, QA, analytics, and AI work from current copies in minutes, at near-zero added storage.

05 — Resilience you can demonstrate
No single point of failure, with automatic recovery from cloud host failures and maintenance.

Proof in production

~140,000
IOPS at sub-millisecond latency
eToro's 24/7 trading platform on Azure, on a single SQL Server database

20% faster
than on-premises
SimCorp's largest SaaS client, after moving a 25-year-old platform to Azure with no refactoring

Zero-touch
storage recovery and upgrades
Through Azure maintenance events, for eToro's always-on trading platform

[1] Forrester Consulting, The Total Economic Impact™ of Silk, commissioned by Silk, May 2026. Results are for a composite organization based on interviewed customers.

CUSTOMER PROOF

eToro Moves a 24/7 Trading Platform to Azure Without Losing a Millisecond

eToro serves millions of customers trading around the clock on a single SQL Server database. Azure's native Elastic SAN couldn't deliver the ~140,000 IOPS at sub-millisecond response the platform needed, and keeping the database on-prem added up to 20 ms of latency. After a rigorous proof of concept effort that simulated node, host, and zone failures, **eToro moved production to Azure on Silk.**

Area	The challenge	With Silk
Peak performance	Native Azure Elastic SAN couldn't reach the target	**~140,000 IOPS at consistent sub-millisecond latency**[2]
Database placement	On-prem database with services in Azure added up to 20 ms	**Database runs in Azure, beside its services**
Resilience	A market that never closes can't tolerate failures or maintenance pauses	**No single point of failure; zero-touch recovery and upgrades**

> **"If we can't process the positions fast, then we can lose money."**
>
> Yitzchak Wahnon, DBA Team Manager, eToro

Economics That Hold Up in Front of the CFO

Up to 50%
Lower cloud storage cost[1]

< 6 months
Payback measured in the Forrester study composite[1]

Zero refactoring
SQL Server and Oracle move as they are

Built for Always-On, Regulated Systems

- Runs entirely inside your own AWS, Azure, or Google Cloud account.
- Sits under existing databases; applications, licenses, and DBA processes stay put.
- No single point of failure across nodes, zones, and regions.
- Supports snapshot-based recovery and failover testing for operational-resilience requirements such as DORA.

ON SILK

SimCorp

Turned a 25-year on-premises investment management platform into SaaS on Azure, and made it faster.

20%
faster than the client's on-prem setup[2]

None
refactoring of the core application

24/7
global use, active-active

When milliseconds are money, don't settle for average.

In a 30-minute Cloud Efficiency Assessment, we baseline what your trading, investment, or asset management platform costs today—compute, storage, licensing, and refresh time—and model it side by side with Silk.

Book an assessment

About Silk. Silk is the cloud acceleration layer for mission-critical workloads, making cloud performance predictable at scale. Learn more at silk.us.

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[2] Customer results as reported by eToro and SimCorp; individual results vary.