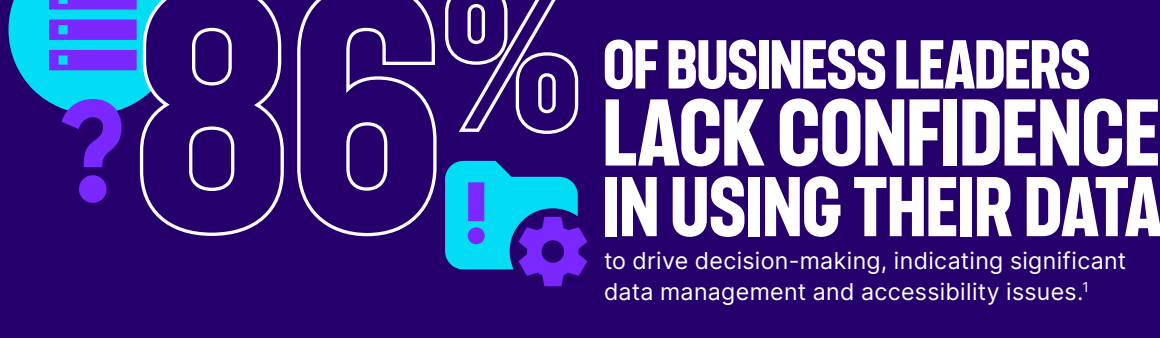


FINANCIAL SERVICES IN THE CLOUD ERA

Is your data strategy secure and scalable?



THE PROBLEM

Banks face escalating challenges as they modernize their infrastructure to enhance performance, security, and compliance. As AI adoption grows to improve fraud detection, customer experiences, and decision-making, legacy systems struggle to provide the necessary speed and scalability. Data silos across on-premises and cloud environments limit the effectiveness of AI-driven analytics, making it difficult to process and derive actionable insights in real time.

Managing sensitive data—such as customer information, social security numbers, and account balances—requires enterprise-grade protection through snapshots, cloning, Business Continuity and Disaster Recovery (BCDR), and high availability. Failure to meet stringent SLAs can result in significant fines and reputational damage. Additionally, legacy infrastructure often falls short in supporting critical workloads, including VDI environments, Oracle databases, Azure VMware Solution, and scalable file shares, making seamless cloud integration and efficient data management even more challenging.

THE SOLUTION

Azure NetApp Files delivers enterprise-grade data management and protection tailored for banking. Its robust security features—FIPS-140-2-compliant encryption, snapshots, cloning, BCDR, and high availability (HA)—ensure compliance with stringent SLAs and safeguard sensitive data like customer information and account balances. Azure NetApp Files supports critical banking workloads, including VDI (Microsoft, Citrix, VMware EUC), Oracle DB, Azure VMware Solution, and scalable file shares. With elastic scaling up to 2 PiB per volume and 709,000 IOPS, banks can process real-time analytics, enhance customer experiences, and optimize operations. Automated tiering and pay-as-you-grow pricing further reduce costs while simplifying cloud migration and data management.



Azure NetApp Files delivers secure, scalable, and high-performance cloud storage solutions tailored for the financial services industry.

Empowers institutions to manage data effectively, ensuring compliance and operational efficiency.

The cloud performance edge for banking workloads

Azure NetApp Files delivers enterprise-grade performance, protection, and AI-ready infrastructure for banks managing sensitive data and demanding workloads.

- 1** **709,000 IOPS** to support high-throughput workloads like AI/ML, fraud detection, customer personalization, and real-time analytics.
- 2** **Up to 2 PiB per volume** for scalable storage of large AI datasets, unstructured customer data, and fluctuating banking workloads.
- 3** **Up to 65% cost savings** through AI-driven automated tiering that intelligently moves inactive data to lower-cost storage.
- 4** **FIPS-140-2-compliant encryption**, snapshots, cloning, BCDR, and high availability to ensure data protection and SLA adherence.
- 5** **Cross-region and cross-zone replication** for regulatory compliance, enterprise-grade disaster recovery, and simplified governance.
- 6** **Unified data access** that breaks down silos across legacy and cloud systems, streamlining integration and accelerating AI-powered insights.

The move to the cloud

Financial institutions are rapidly adopting cloud solutions for enhanced agility, security, and operational efficiency.



Azure NetApp Files empowers critical banking workloads



Virtual Desktop Infrastructure (VDI)

- Supports Microsoft, Citrix, and VMware EUC environments for secure, high-performance remote access.
- Delivers up to **709,000 IOPS**, ensuring seamless user experiences and enhanced productivity.



Oracle Databases

- High throughput and sub-millisecond latency enhance transaction processing and reporting.
- Scalability up to 2 PiB per volume accommodates growing datasets without impacting performance.



Azure VMware Solution (AVS)

- Provides consistent, low-latency connectivity for VMware-based applications.
- Seamlessly integrates on-premises and cloud environments for optimal performance and efficiency.



AI & Machine Learning (AI/ML)

- Delivers high-speed access to large datasets, enhancing fraud detection, real-time analytics, and customer personalization.
- Consolidates data across silos, providing a unified foundation for advanced AI-driven insights.

ABN AMRO accelerates digital transformation with Azure NetApp Files

ABN AMRO, a leading Dutch bank, embarked on a comprehensive digital transformation initiative, migrating its critical trading and treasury platform, Murex MX.3, from on-premises infrastructure to Microsoft Azure. This strategic move included transitioning from Oracle Exadata to Oracle databases on Azure NetApp Files, resulting in enhanced flexibility, scalability, and improved time to market. By leveraging Azure NetApp Files, ABN AMRO achieved a more stable and secure service environment, driving operational efficiencies and fostering a cultural shift towards automation and innovation.



[Read more >](#)

Additional resources

[Optimizing cloud storage costs for production workloads in Azure >](#)

[Azure well-architected framework >](#)

[Architecture best practices for Azure NetApp Files >](#)

¹ <https://www.intersystems.com/financial-services-top-challenges-survey.pdf/>