Solution Brief

On-premises-first Hybrid Cloud Data Management with Tiger Bridge and AWS

Challenges

Increase on-premises capabilities through the cloud. Extract more value from growing data sets.

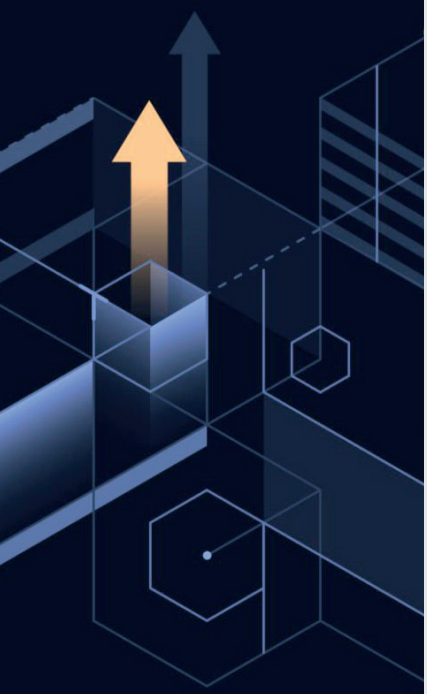
Organizations that want to preserve their existing mission-critical workflows and modernize legacy applications are facing considerable challenges in their journey to cloud adoption. How to design storage systems that balance scale and cost, increase efficiency, and deliver new cloud-based value? How to meet compliancy requirements, lower concentration risk, minimize disruption to high-performance, low-latency workflows, and ensure business continuity as storage needs grow?

The Tiger Technology Solution

Infrastructure capabillity & value enhancement

Tiger Technology, a Validated Software Technology Partner for AWS, develops hybrid cloud file data management software that helps enterprises and public sector organizations with mission-critical deployments optimize their on-premises storage and enhance their workflows through cloud services.

With over 19 years of expertise in storage and data management solutions for high-performance workflows, Tiger Technology creates a global namespace across disparate storage types: private cloud, public cloud, tape, NAS, etc., thus standardizing storage infrastructure and ensuring vendor independence.



Benefits

Unlike traditional file and block-based storage that is cost-prohibitive to purchase and grow, Tiger Bridge by Tiger Technology delivers a cost-effective way to scale, reducing storage costs by more than 60%. Unlike cloud-first file platforms that use proprietary formats, Tiger Bridge preserves native file formats and metadata, reducing concentration risk and preserving security and compliance.

Complete data portability

Move data freely across different storage & computing environments. Tiger Bridge preserves native file formats and metadata when replicating data to AWS cloud. This ensures data is never locked into a certain vendor and always accessible by applications and AI services.

Resources and cost optimization

Tiger Bridge supports all Amazon S3 storage classes, including S3 Glacier Instant Retrieval and S3 Glacier Deep Archive, allowing flexible, cost-effective data lifecycle management that meets long-term data retention requirements in sectors such as healthcare, law enforcement, oil & gas.

Sophisticated support for Amazon S3

Thanks to its tight integration with AWS cloud native capabilities, Tiger Bridge makes the best use of Amazon S3 storage including multi-site collaboration on data stored in the same bucket, support for Active-Active High Availability clusters, automated rehydration of data from S3 Deep Archive and policy-based space reclaiming.

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Tiger Technology for AWS

Tiger Bridge integrates seamlessly with AWS, replicating data from on-premises storage to Amazon S3 or across EBS and Amazon S3 environments for data life cycle management, global file access, disaster recovery, file data migration and data insights. It supports all Amazon S3 storage classes, optimizing costs by automatically tiering data based on access patterns. Tiger Bridge enables near real-time multi-site synchronization with file locking to ensure data consistency and integrity. The solution also provides continuous data protection, safeguarding against data loss and ransomware. Integration does not require any additional hardware or changes to existing workflows. Cost-efficiency is enhanced by leveraging AWS scalable storage options and flexible pay-as-you-go pricing.

Case Study | YOKOGAWA

Yokogawa Middle East & Africa

Challenges

Yokogawa Middle East & Africa had a traditional on-premises file server set-up, and they were also using a hybrid file-share service. However, their storage budget kept increasing exponentially. They also found it hard to predict cloud charges, adding to mounting costs and complexity.

Solution

Tiger Bridge data management software enabled the Yokogawa team to switch from their existing costly and complex solution to a straightforward, reliable and cost-effective hybrid cloud architecture with AWS. Tiger Bridge successfully migrated data from over 35 servers without requiring any additional high-performance hardware.

Results

Yokogawa Middle East & Africa achieved a 60% reduction in storage costs with Tiger Bridge, leveraging cloud archive tiers in a hybrid environment. At first, Tiger Bridge was used to enable immediate burst for capacity, and at a second stage, global file access functionality was added to enable geographically dispersed offices to collaborate on the same data set. In addition, cloud charges are now easy to predict, and the Yokogawa team have not had to modify their existing infrastructure or budget for any "hidden" costs throughout the process.

Features

- Works with all Amazon S3 storage classes
- Versioning in S3 buckets – allows renaming/moving/changing permissions without creating new versions of files in S3
- Delete markers for data recovery
- Supports multi-site using a single bucket
- Automatic and transparent data rehydration from Amazon S3 Deep Archive
- Works in Active/Active High Availability environments
- Removes data based on policies (instead of just the oldest data)
- No limitations on file size or file system size
- Data stored in native format (AI ready)
- Integration with existing local file/application server file system (NTFS, ReFS and NAS via SMB and NFS)
- Preserves all metadata – the smart stub file technology by Tiger creates zero-byte files locally that contain all metadata and point to the files' location in Amazon S3

Visit Tiger Technology's website to book a free demo today.

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