

File Data Migration to Microsoft Azure with Tiger Bridge



File data migration to Microsoft Azure can enable organizations to augment workflows through cloud services such as analytics, improve security or reduce costs & maintenance, to name but a few benefits. However, it is a complex process which requires careful planning in order to build a sound strategy. A great deal of groundwork must be done to ensure downtime is reduced, data is not lost, and no files are corrupted.

Migration Goals

- Move data to Microsoft Azure transparently & easily
- Preserve existing workflows accessing a new storage system
- Use cloud AI services such as object, speech & facial recognition

Migration Requirements

- Minimal disruption during migration
- Ensure all data is migrated
- Preserve permissions & file attributes
- No vendor lock-in
- Comprehensive storage assessment

Typical data migration approaches

The big bang approach involves completing the entire data transfer and any associated tests in one go, typically done over the span of a weekend. This is the simplest method in terms of planning and implementation, suitable for organizations looking to migrate small data sets to the cloud or organizations which can afford not to modify the files in question during the entire migration process. However, it lends a very strict maintenance window, which means that potential failure to complete the migration would waste time & resources.

The trickle approach is a phased method of data migration, which involves isolating only a portion of data to migrate at any given time until all files have been transferred to the cloud.

Trickle migration can be suitable for organizations dealing with larger data sets that can take a week or longer to

migrate, during which it cannot be accessed.

While the trickle approach introduces greater flexibility, it is more complex in terms of planning and implementation. For example, admins must ensure that the data to be migrated cannot be modified. This leads to an increased management burden and more admin work.

Pain points

- Amount of preliminary work
- Intense management & admin work
- Ensuring the data to be migrated cannot be accessed
- Heightened risk of human error
- Time & resources wasted if data not migrated within selected window of time

The Tiger Bridge approach

An automated trickle approach ensures an effective data migration strategy by combining significantly reduced risks and costs, greater control and uninterrupted access to data for legacy applications.

Tiger Bridge is a software-only data management solution that blends on-premises and cloud/multi-cloud storage into a single space and enables hybrid workflows without a NAS gateway. It supports any Microsoft Azure storage tier, plus local object and file storage.

Based on simple policies Tiger Bridge automatically monitors your file system for any modifications and replicates data to Azure in a non-proprietary format when data is not being modified. This preserves legacy applications and workflows and reduces downtime and admin complexities. Tiger Bridge policies also allow you to replicate changes to data already migrated. Once all your data is in Azure storage, you can use Tiger Bridge as a file system gateway in order to preserve existing workflows or run it on each machine that should have access to this data set to enable multi-site sync.

With Tiger Bridge you can either perform big bang migration or migrate data at your own pace without the pressure & risks of time limitations. The migration status of your file system can be followed easily throughout the entire process.

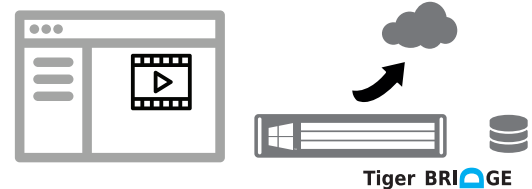
Migrate data at your own pace
Check migration status easily

Reduce downtime
Reduce costs

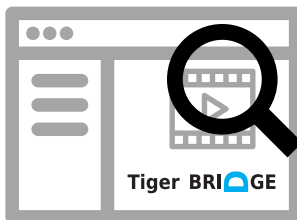
Maintain access to data
No proprietary formats



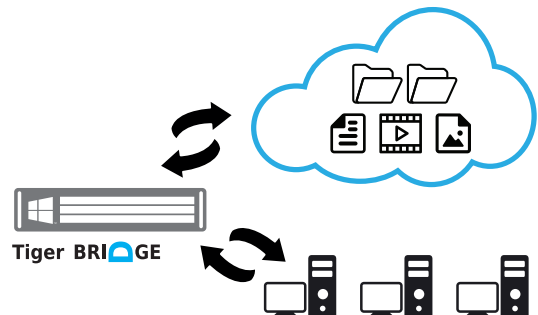
① **Identify data to be migrated & perform storage assessment.**



② **Connect your source & Azure storage. Tiger Bridge starts automatic replication of unmodified data to the cloud.**



③ **Tiger Bridge monitors the file system for changes.**



④ **Switch to new data access when all data is replicated to the cloud.**

Summary

Tiger Bridge is an ideal solution for file data migration to the cloud to connect it with cloud services & analytics. It is transparent to users and applications & avoids vendor lock-in by preserving data in its native format. Tiger Bridge automates the painstaking process of trickle migration through simple policies that work in the background while your operations remain uninterrupted, and so significantly reduces the stress associated with data migration.

Customers in over 120 countries use Tiger Technology solutions to make their data management and project workflows easier. The company has been developing high-speed NAS/SAN file system sharing, virtual volume set and virtual project workspace management, software-only Windows cloud extension technology, and HSM tiering and synchronization solutions since 2003. Tiger enables organizations of any size and scale to manage their digital assets on-premises, in public cloud, or with a hybrid model. Tiger Technology has been identified by Endeavour as one of the foremost cloud technology providers on the market today.