Tiger Technology

Tiger POOL

Smart Storage Pooling for Simplified Data Management

Create large NTFS volumes with ease and optimize your resources with the Tiger Pool add-on for Tiger Store

Overview

The Tiger Store software uses the popular NTFS file system to store critical information, which means data remains portable and stored in a non-proprietary format. The NTFS file system is resilient but requires careful planning when it is time to expand, migrate or decommission in a readily accessible format. By creating a virtual volume that mounts and manages multiple "live" NTFS volumes under a single namespace, Tiger Pool eliminates the risks and stress associated with performing these critical tasks.

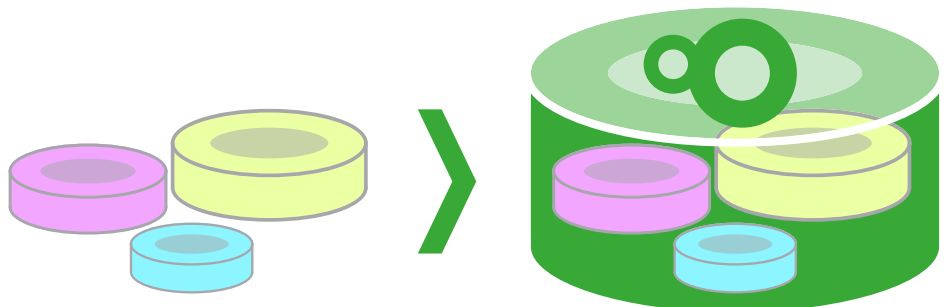## No striping, no vendor lock-in – maintain original file access

Tiger Pool does NOT use RAID or striping technology. Each pool volume member remains whole and independent. When volume members are pooled, files stay in place and folders are logically merged. When writing to the pool, a distribution strategy assigns files to underlying members based on folder affinity, round robin distribution, and available free space. You can freely add and remove pool volume members without ever putting data at risk. Pool volume members can be made by different manufacturers, and they can be of different LUN sizes and performance characteristics.

Mitigate risks associated with very large NTFS volumes

Managing petabyte-sized NTFS volumes can be tricky as no file system is totally immune to corruption and/or hardware failure. Instead of creating a single large file system, Tiger Pool lets you pool together multiple smaller file systems into one logical volume. To users and applications, the pool looks and behaves like a normal volume while each pool volume member preserves its original folder structure. If any pool member fails, you only need to worry about restoring a fraction of your dataset while the rest of your data remains available.

Maximize resource utilization

Large amounts of free space are often wasted because they are spread across multiple volumes. Using a pool is a great way of maximizing storage resources as free space from different volumes is pooled and can be used more efficiently.

Tiger Store acts as a metadata controller enabling high-performance collaborative workflows. Add smart storage pooling to your shared storage workflows with the Tiger Pool add-on module. Tiger Store is available as a software-only solution or as an integrated appliance.

Product Highlights

Risk-free technology

Pool any type of NTFS volumes

Transparent to users and applications

Dynamically add or remove pool volume members

Simple data distribution policies

No performance degradation

SMB/NFS re-sharing

Preserve extended file attributes and Active Directory ACLs

Optimize the use of free space available

Key Features & Benefits

Solving complex storage problems	Totally risk-free	No added complexities
• Dynamic capacity expansion (up to 18 exabytes) • Storage resources optimization • Sustained performance	• Works with live NTFS volumes • Add or remove volume members dynamically and without risks • Data stays cleanly organized in the pool and after disbanding • Supports extended file system attributes • Soft limits prevent overutilization of pool volume members	• No database to worry about • No complex setup or configuration • Intelligent data placement • Folders not restricted by the size of individual volume members • Supports all basic and dynamic NTFS disks

Tiger Pool Specifications

Server Requirements
• Tiger Store is a requirement

Storage Requirements
• Any NTFS volume can be a pool member

Tiger Store Client Requirements
• Mac or Windows clients

Customers in over 120 countries use Tiger Technology solutions to make their data management and project workflows easier. The company develops software-only Windows cloud extension technology, high-speed NAS/SAN file system sharing, virtual volume set and virtual project workspace management, and HSM tiering and synchronization solutions. 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.

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