

- Migrate apps (file based APIs (SMB, Server Message Block ))
- Share files between server and on-premises
  - log files, events and backups
- Integrate with apps
  - REST/API/SMB 3.0
- High availability (HA) workloads
  - SQL Server & IIS
- Cannot write files concurrently (lock files during writing)
  - Decreases latency and performance

Usage

Properties

Non-relational

PaaS

Azure  
File  
Storage

- Create within storage account
- Cloud file shares via remote network/access (LAN)
- Server message block (SMB) protocol to connect to on-premises with encryption
- Authenticate and authorize via Azure Active Directory
- <= 100 TB of distributed files
- Single file <= 1 TB
- 2000 concurrent connections or files
- Create files via the portal/Azure copy utility and sync locally via Azure File Sync
- 2 Access Tiers
  - Standard: hard disk drive based
  - Premium: SSD, increased performance at cost
- Replicate local region (geo-redundancy)
- 300 MB/second (increased performance with increased cost in premium)
- Encrypted at rest, can enable in-transit encryption

Compiled by Dr T Oberholster  
DP-900 version: March 2021

[Website & Blog](#)  
[Amazon Books](#)  
[Teepublic Shirts](#)  
[RedBubble Merch](#)  
[SpreadShirt Apparel](#)  
[Contrado Fashion](#)

