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Samba File Storage Platform with integrated DR-in-the-cloud

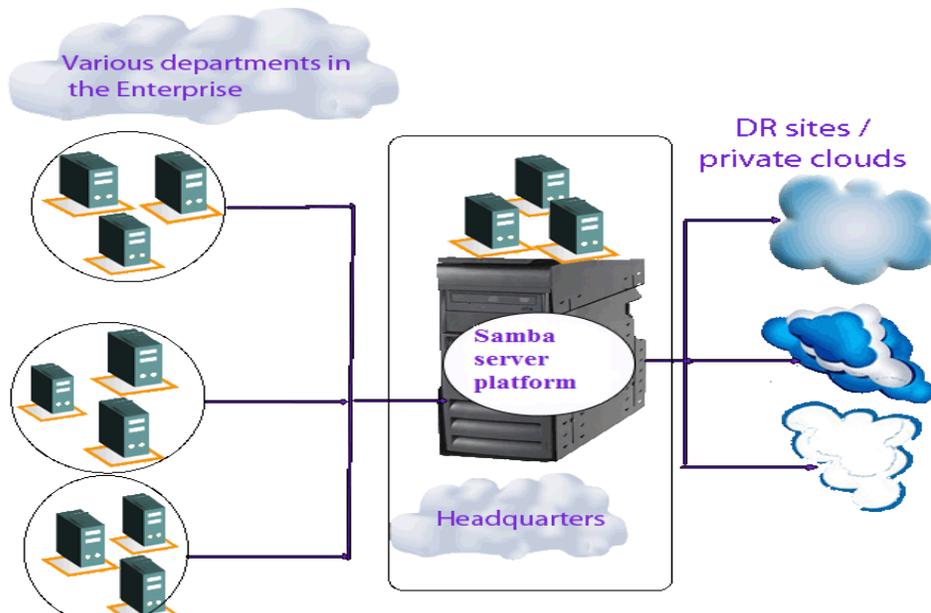
Solution Brief

"Samba is an Open Source/Free Software suite that provides seamless file and storage services to SMB/CIFS clients." Samba is freely available, unlike other SMB/CIFS implementations, and allows for interoperability between Linux/Unix servers and Windows-based clients.

The DR (Disaster Recovery) site is one more way to protect your data in case if you lose your data from samba server. For this we are syncing the data inside the samba public folder to DR. On the right policies that you set. You can choose your DR servers according to the location where you have to place the DR. DR should be either on premise or off premise. For sending data from samba server to DR server you need Athinio Solution (DR-Tolerant Samba). DR-Samba is a file storage infrastructure suite of software products. Here we are using the feature of Samba integration to DR only. With this, you get the best of both worlds of proven Samba server with cloud-integrated or your own hosted, off-site protection/DR readiness.

Deployment Diagram

Please Refer, deployment diagram shown below; various employees are located in the same or different LAN. From the same LAN, the central storage, based on open source Samba server, is accessible as a large local drive by drive mapping (on windows) or a file system mounting (Linux). With this architecture, individuals need not do any data management and no more copies in the USBs required. All data is centrally stored, and managed by the built-in software, without needing any expensive high end storage system. Athinio platform delivers distributed data access, with centralized management while actual data is stored in a Disaster tolerant, distribute storage vaults.





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All files are erasure coded, based on the reed-solomon dispersal algorithms, and can be distributed with N:M availability redundancies or customer can host low-cost, commodity x-86 storage servers which runs Athinio object storage system(DR), that can store petabytes of cold data, on an active archive manner.

Samba-DR key benefits:

- Samba Users management, Monitoring, Data Transferring etc through a Intuitive GUI.
- Radically simplified Samba File storage platform needing no separate backup or off-site replication or archival of older data, as it's built-in to the file storage. Delivers storage, data management and very secure offsite-storage-integration from a single platform.
- Use proven, time tested open source product – Samba file server, with add on benefit of integrated backup and DR.
- Zero data loss, data availability-first architecture, with no single point of failure.
- Complete investment protection to existing, expensive storage. Athinio solution can be used as a lower-cost, primary storage for Tier 2 or older file storage. Athinio solution can transparently migrate data from existing high end storage box, freeing it from older data.
- Active archive or Petabytes of data: Data can be accessed from the athinio solution, regardless of the actual location of the data (whether in the Server itself or in the clouds).
- Information life cycle management with onPremise-cloud storage migration. Data can be migrated from existing storage systems to DR or cloud, with no disruption to any applications.
- Maximum customer options: Customer can chose a fully onPremise or a hybrid cloud solution.
- Simple to install and use.