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vSERV™ / vNAS™

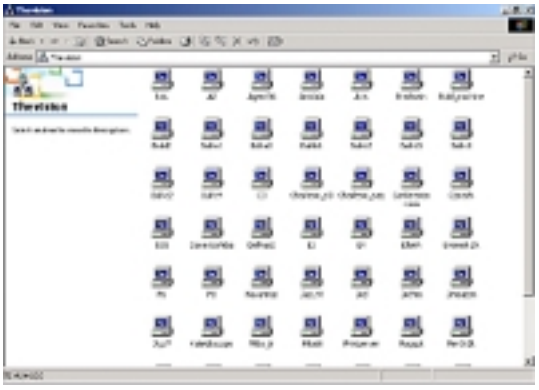
Bringing The Benefits Of A Single Server Environment To A Multi-Server World

Today's computing environments typically consist of a number of networked file servers delivering file-storage space to the user community. This situation frequently causes significant problems for end-users and IT staff alike. End-users must interact with multiple file servers and keep track of which server contains the data they're looking for. IT staff must manage and support multiple servers, ensuring that all clients are correctly configured for access to appropriate servers and data. File server storage typically ends up being available in "pockets" through the organization, making it difficult for IT to ensure that the people who need the storage are correctly configured to access it easily. Recent research reports that approximately 50% of networked storage goes unutilized.

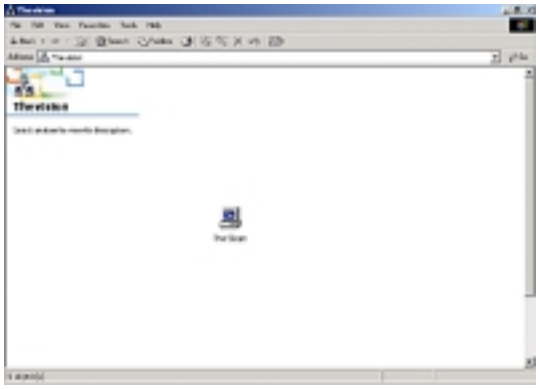
vSERV/vNAS

vNAS™ and vSERV™ from 1Vision Software address this situation. vNAS and vSERV tie multiple, discrete file servers together into one storage pool. This aggregated pool of storage looks and behaves like a single file server.

vNAS and vSERV turn multitudes of file servers and network share points that look like this….



into an environment that looks like this…..



vSERV (for MS Windows file servers) and vNAS (for MS SAK-based Network Attached Storage devices) aggregate these servers into one logical device. vSERV and vNAS are 100% compatible with each other, meaning that file servers and NAS devices can be aggregated together in one logical storage pool.

Benefits

The benefits of an aggregated file storage pool include:

Users:

- Easier Navigation – Users interact with a single logical file system. Gone are the days of needing to remember which data is stored on which server. Users are not aware that the file system is spread across multiple servers.
- Increased Data Availability – Access to multiple servers eliminates single points of failure.

IT Staff:

- Seamless Scalability – Performance of the aggregated pool increases linearly as servers are added to the pool. The pool can be expanded while all servers are online, without client reconfiguration.
- Increased Storage Utilization – Ensure that all available storage is available to all users.
- Reduced TCO – Management costs are reduced by managing a single storage pool.
- Data Security & Availability – All data is stored and accessible through the native file system. All security and journaling of the native file system are preserved.