



The Acopia Adaptive Resource Switch (ARX) 500 is a cost effective intelligent file switching platform that enables enterprises to optimize utilization and simplify management of file storage resources

Acopia ARX500 Reduces Total Cost of Ownership and Simplifies Management of File Storage

B E N E F I T S

- Improve the scale, performance and utilization of NAS systems
- Perform data migration and server consolidation without service disruption or client reconfiguration
- Online storage provisioning
- Automate movement of less frequently used or non-business critical data from tier 1 to tier 2
- Replicate file data for disaster recovery or disk-based backup applications
- Replicate data from multiple locations to a central location for centralized backup
- Provide unified access to file data across heterogeneous file storage systems
- Simplify access to data by eliminating multiple mount points and drive mappings

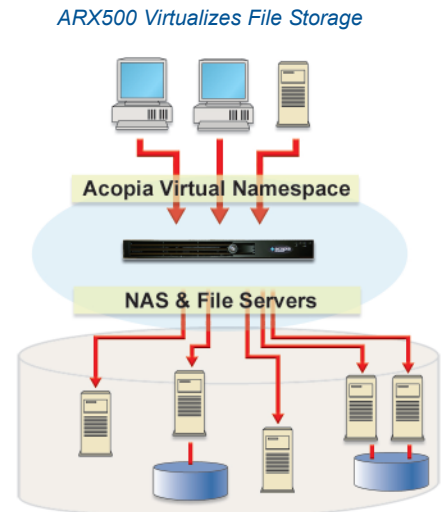
Storage Management Challenges

The rapid growth in the amount of digital information combined with regulatory requirements to store more information for longer periods of time, has fueled an increase in the number of NAS (Network Attached Storage) systems and file servers in today's enterprise. This proliferation in file storage systems has presented IT departments with significant management challenges. Since each system is managed as a separate entity, it is operationally costly to provision or consolidate storage, and disruptive to perform simple data migration between systems. In addition, each system is limited in terms of scale and performance which often negatively impacts application and user response times.

Consequently enterprises are looking for new ways to simplify their file storage environments and reduce the total cost of ownership associated with managing their file storage resources.

Acopia Virtual Namespace

The Acopia ARX500 enables companies to more effectively manage multiple file servers and NAS systems and to reduce their storage costs. The ARX500 provides a virtual namespace that presents a unified logical view of an enterprise's physical file storage systems. The Acopia virtual namespace shields clients (applications and users) from the complexity of the physical storage systems themselves, allowing unified access to heterogeneous (multi-vendor, multi-platform, multi-OS) storage systems irrespective of physical location. As a result, storage management tasks can be performed online, and no client reconfigurations are required.



Hardware

Physical

- Dimensions: 1.7" h x 16.9" w x 26.5" d
- Weight: 32lbs
- Temperature: ambient operating, 10-35°C (50-95°F)

Interfaces

- 10/100/1000BASE-TX Ethernet

Software

Storage Management Policies

- Data migration by type, access and age
- Load balancing by capacity, round robin, or service time
- Tiered storage
- Large file-set replication

Protocols

- NFSv2 and v3, CIFS
- NT LAN Manager (NTLM), Kerberos
- NFS access control
- TCP, IP, UDP, NTP, ARP, SNMP
- VLANs

Security

- RADIUS, SSH

Management

- CLI, GUI, SNMPv2

High Availability

- Switch clustering with service failover



Non-disruptive Data Migration

Traditionally moving data between file storage systems, including tasks such as server consolidation, has been a costly and disruptive process. Application and user access is disrupted during migrations and IT administrators have to perform both the migrations as well as client reconfigurations, each of which is time consuming and prone to error. The ARX500 automates data migration tasks, allowing clients to continue to access data while it is being migrated. Furthermore, once migrations complete no client reconfiguration is required.

Improved Scale and Utilization

Current file systems are capacity constrained, yet there are many applications and business processes that would benefit from larger file systems. The Acopia ARX500 is able to aggregate multiple file systems into a single logical file system, providing a larger workspace for applications. In addition, the ARX500 is able to dynamically load balance across multiple file systems based on available capacity, round robin or service time, ensuring improved utilization and performance.

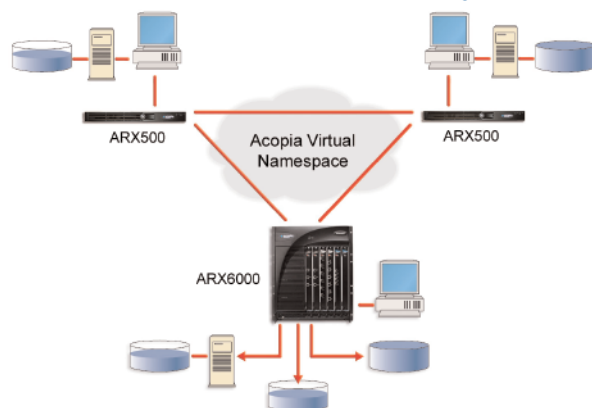
Tiered File Storage

Many IT departments are looking to reduce storage capital expenditure by taking advantage of cost-effective technologies like Serial ATA (S-ATA) and disk-based archives. The ARX500 enables IT administrators to identify data that is not business-critical, or seldom used, and automatically migrate it off of high-end NAS systems to lower cost storage alternatives from multiple vendors. This process can be automated through Acopia's storage management policies, and takes place without requiring reconfiguration or inducing service outages.

Centralized Data Archiving and Disaster Recovery

A number of companies are consolidating their backup operations into central locations to reduce the cost and risk associated with decentralized backup. The ARX500 provides replication technology for large file-sets, using the existing IP infrastructure, to replicate critical data back to central data centers that have backup infrastructures. In addition, the ARX's replication technology can be used to provide cost-effective disaster recovery solutions between sites.

Global Access and Distributed Data Management



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