

# NexentaStor and Email Archival



Email has become business critical in nature and has been amongst the fastest growing data types in the past five years, and continues to grow very fast within enterprises. Storing these emails and managing primary mailboxes for performance and resilience has become an expensive IT endeavor. Further, emails are being retained for lengthy periods of time and are also the subject of many compliance regulations and legal discovery requests. As a result, emails are being increasingly stored online so that they are available on demand and can be queried as needed. NexentaStor offers a low cost, open-source based enterprise class storage system to store emails that are archived in an online state and provides robust management capabilities to retain and manage enterprise-critical data for lengthy periods of time.

## Customer Challenges

As email has become the most often used method of communication, and the most widely regulated one too, it is being safe-guarded by most enterprises and rarely deleted. This leads to several complexities such as:

- High infrastructure costs for extended periods of time owing to increased storage requirements and lengthy (infinite) retention periods
- Inability of existing tape backup/archival systems to cope with the online demands of legal discovery and user productivity
- Increase in backup windows on primary storage systems due to increasing amounts of data being stored
- Difficulty in automating the archival of older emails while preserving their integrity and ensuring their availability for destruction when appropriate

An enterprise that does not have a solution that addresses these complexities is prone to rapidly rising storage and management costs, and runs the risk of having low productivity and non-compliant systems that are unable to ensure the safe archival, rapid retrieval, and long-term protection of its most critical data.

## What is the Solution?

The NexentaStor platform provides the industry's first and only fully open-source based enterprise class system. It is at least 30% less expensive than a comparable enterprise class storage system while providing the same or better benefits; and these economic benefits expand considerably over time with customers experiencing Total Cost of

## NexentaStor™ Benefits

- Lowest-cost, open source-based, enterprise class storage system
- Inherent virtualization improves performance via **IO pooling** and reduces costs and management effort via **thin provisioning**
- Fast, online storage with **search** capabilities
- Easy integration with ISV applications via an API allowing C, C++, Ruby, Perl, Python, and other bindings.
- Multi-level data protection for maximum data integrity and longevity. Superior check-sum capabilities plus flexible block and file level backups

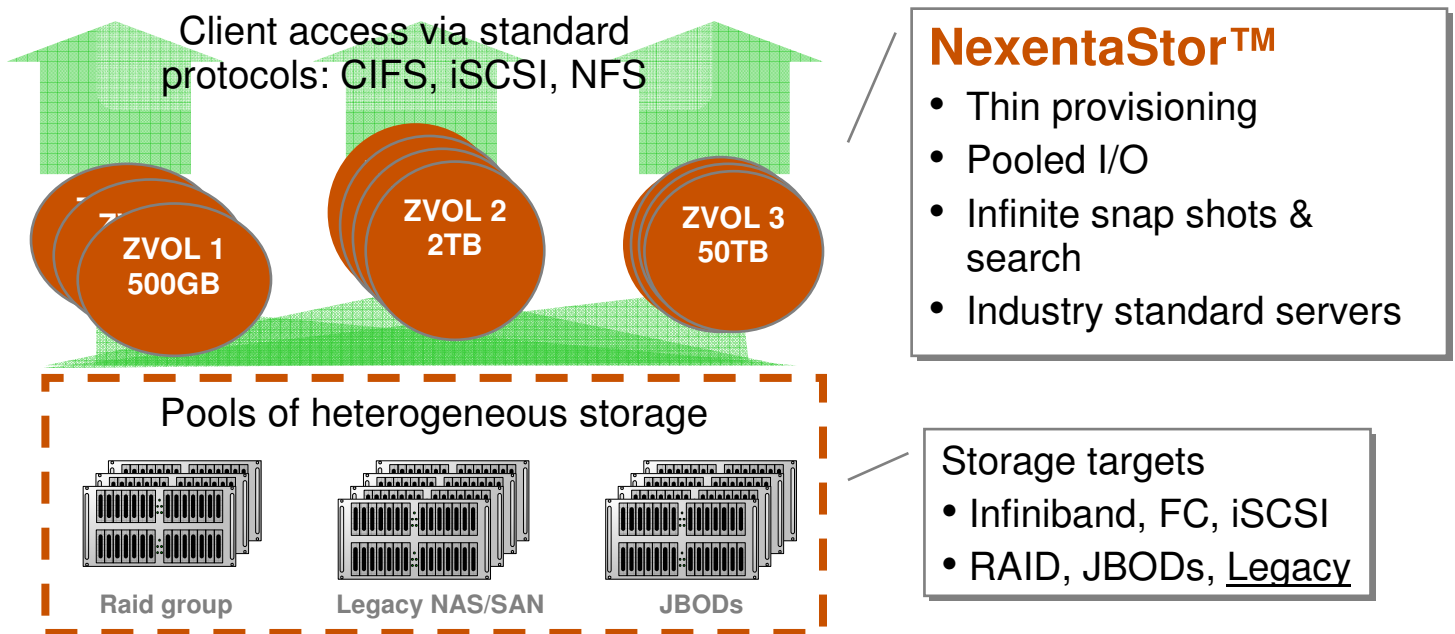
Ownership savings in excess of 50% versus legacy solutions. The underlying technologies, ZFS and OpenSolaris, provide the basis for very high scalability required for growing enterprises that do not want to worry about the costs and pains involved in adding storage or storage systems to their data centers.

Open source-based technology ensures that the solution is not proprietary with vendor dependencies which hinder easy and low-cost usability over lengthy periods of time. It also obviates the unnecessary vendor mark-ups for standard features. Further, ZFS offers massively scalable storage environments with virtually unlimited number of snapshots thus providing free versioning and high granularity of data protection.

NexentaStor also offers built-in replication for disaster recovery purposes and encryption for advanced data security.

These capabilities, combined with the industry's leading email archival software solutions such as Symantec's Enterprise Vault, CA's MessageManager, EMC's Email Xtender, Zantaz's EAS and Mimosa's NearPoint, amongst others, provide a complete set of capabilities to set policies on email management, automatically archive emails, search them efficiently, encrypt them optionally, retain them safely for extended periods of time, and optionally destroy them at the appropriate time.

NexentaStor works seamlessly with leading email archival solutions to provide a low-cost, enterprise class, open source-based, inherently virtualized storage solution necessary to meet the demands of the fast growing email storage needs of today's enterprises.



**NexentaStor abstracts the underlying storage, creating ZVOLs that are exposed to clients via standard protocols. These ZVOLs can be managed via infinite snap shots and block level replication with the assistance of integrated search. No special client software is required. The result is a breakthrough in ease of use, price / performance, and price / capacity.**

## About Nexenta

Founded in 2005 and privately held, Nexenta Systems, Inc., has developed NexentaStor™, the leading OpenStorage enterprise class storage solution and sponsors NexentaCore, an operating system that combines the high performance and reliability of OpenSolaris with the ease of use and breadth of applications of Linux. Both solutions leverage the revolutionary file system, ZFS. More information about Nexenta Systems, Inc., and about Certified partners that provide hardware, software and service solutions based on NexentaStor can be found at [www.nexenta.com](http://www.nexenta.com).