

Storage Data Management

Oracle's StorageTek Hardware and Nodeum's Storage Data Management platform

Many companies are facing a data generation acceleration and even an explosion. This is only a start. Today, companies can hardly predict how much data they will generate and store in 3 or 5 years from now. These industries will face much longer term retention policy. At the same time, they will have to reconsider the higher data security and an absolute data Integrity for any given data format.

Storing data is one easy thing. Accessing it quickly and effortlessly is another. In fact, you don't manage 10 million files the same way that you manage 10 thousand files. Silo storages are good technology to cope with past volumes. However, we know that new data "Spaces and Requirements" need new technological solutions, and adding different silo storages increase the complexity on how the data are accessed. We understood that "Storage Energy Consumption" has become a top listed priority. A more effective, more economical and greener solution has become a must.

Solution Overview

Using **Nodeum™** with **Oracle-StorageTek's** hardware combines best-in-class business application software with a high-performance, cost-efficient, scalable digital content storage and archiving solution. The solution provides an automated self-service platform to retain your business data longer while keeping up with increasing quantity and size while reducing your storage costs.

Traditionally, data is kept on primary enterprise storage devices, resulting in high costs and relatively short retention times. By taking advantage of low-cost digital tape storage and advanced storage management software, Nodeum and Oracle can provide increased retention times at lower cost in a solution that is easy to use.

Decrease your storage TCO by at least by 3

We know that 80 to 90% of your data is rarely consulted whereas 10 to 20% is regularly used. Nodeum enables the storage of the relevant data on the right place while being able to keep a universal access to all the information. The integrated data analytic module allows you to evaluate the exact data which are rarely access by your users and move them into another storage tier in keeping a transparent and easy way for accessing it. Different workflows are available to automate all of these data movements.



KEY SOLUTION FEATURES

- Create your own workflow to place your right data at the right place at the right cost.
- Get benefit of a self-service automated platform to archives data in a single easy to use way.
- Captures metadata to facilitate easy search, retrieval and classification.
- Get an active archive from any type of storage : disk, tapes and cloud.
- Trends file analysis to help you to manage the lifecycle of your data.

KEY SOLUTION BENEFITS

- Efficiency and integration
- Long term preservation and data integrity
- TCO reduce by minimum 3x

Stop spending days to search after data

It's easy to store and access data but searching after the data you need to access to can take a lot of time if the data are spread in different storage silos. Nodeum has an answer, the automated indexation system catalogs all the contents available in any storage silos. With the keyword association add-on, you can classify the information for a fast and business oriented search capability. Instead of spending days in looking after data, Nodeum retrieve the data localisation in seconds !

Map your Business workflow

Nodeum has different workflows available to adapt your business operations into specific data movement without any change in your standard procedures. Three business oriented workflows are available:

- » Active archive behind a NAS virtualization.
- » Offline archiving to protect data including a vaulting option.
- » Exchange data with third party to accelerate the data sharing.

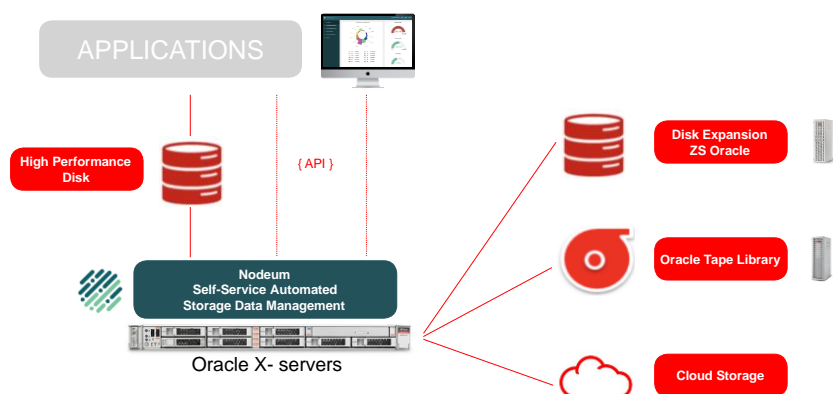
Nodeum – Intelligent Data Storage Management

Nodeum provides powerful, centralized storage management capabilities. This highly flexible, software solution for high capacity data simplifies the complexity involved in managing networked storage.

- » Super-fast cache disk allows management of multiple concurrent data streams in providing fast data access to any storage even tape or cloud.
- » Easily supports and manages multiple Oracle Storage-Tek Modular Tape libraries which are easy to administer, providing an excellent long term storage facility
- » Create your specific workflow to place your data in the best medium (disk, tape or cloud).
- » Scalable, centralized tape management to preserve petabytes of data in an LTFS open format while reducing TCO.

Solution Architecture

Nodeum is designed to scale so that they can be deployed in large data centers as well as small regional offices. The below figure shows how Nodeum can be deployed within a customer's existing application environment and archive to Oracle ZS Disk, StorageTek tape libraries or even cloud storage.



THE TOP SPECIFICATIONS OF THE SL150 TAPE LIBRARY

THE ONLY ENTRY TAPE LIBRARY WITH SCALABILITY

SCALES FROM 30 TO 450 SLOTS [180TB TO 13.5TB] & FROM 1X TO 30X TAPE DRIVES

OTHER VENDORS NEED MULTIPLE LIBRARIES TO COVER THE SAME SLOT RANGE

HIGH QUALITY AND RELIABILITY OF STORAGE TEK BRAND

ATTRACTIVE PRICING FOR THOSE WITH BUDGET CONCERNS

PER YEAR SERVICE IS 4% OF NET PRICE ONLY

FLEXIBLE AND EASY TO USE LIBRARY MANAGEMENT

SAVE DATA CENTER FOOTPRINT WITH BEST-IN-CLASS DENSITY



SIMPLICITY DELIVERED WITH NO LICENSING FOR CAPACITY

ARCHITECTURE DESIGNED FOR EASY DEPLOYMENT BY CUSTOMERS

EASY TO UPGRADE (EACH EXTENSION BRINGS 30 SLOTS AND 0-2 DRIVES)

ROBUST MEDIA AND DRIVE MANAGEMENT VIA STORAGE TEK TAPE ANALYTICS

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