

We are living in an increasingly digital world, with more and more data being generated in businesses regardless of their shape and size.

In most cases the majority of that data being stored is aged, i.e. not actively being accessed, causing an imbalance between the cost of storage and potential value of the data being stored.

IT departments have, for some time, turned to tiering of their data storage infrastructure, using different storage mediums for different storage workloads; something that has only been increased by the advent of low cost Cloud storage infrastructure.

For many businesses, embarking on a migration to a Cloud storage infrastructure, whether that be on-site or in the public Cloud, offers an opportunity to optimize their storage costs by rightsizing the volume of data that they stored on performance storage and that on capacity based storage.

The challenge for many however is gaining an accurate insight into their data, and building a data lifecycle policy that suits their business.

Nephos' Smart File Audit gives that insight, using a combination of industry tool sets and real world experience to provide our customers with an accurate view of their data and how best to leverage Cloud storage infrastructure.

Storage Growth

Data storage, particularly for unstructured data, is growing exponentially. Traditional storage methods lack the ability to scale and continue to take a significant share of ITs budget

- ▶ File data will grow 67x from 2009-2020.
- ▶ IT spending in 2014 grew 2.6%
- ▶ A single Terabyte of storage will, on average, cost over £20,000 annually to store, protect and manage
- ▶ Object and Cloud storage will typically reduce the cost of storage by 50%

The Approach

Nephos' approach is non-intrusive, avoiding the need to make network or infrastructure changes, or to open infrastructure resources to the outside world.

As part of the process Nephos tool set can be deployed, either on a virtual machine in your own environment or Nephos can use our remote toolset via a VPN. All that is needed is network connectivity with access to the data storage environment being assessed.

After a period of time, dictated by the size and distribution of your infrastructure, Nephos collects the data sets that have been captured by our data collection tools. These data sets will then be interrogated and interpreted by one of our services team.

The Output

Nephos' Smart File Audit service forms the basis for the migration of your unstructured file data into a lower cost storage solution – whether that be private or public Cloud. It aids both Nephos and our customers to right-size their local file storage for their "hot" data and use a lower cost storage solution for the more aged data.

Ultimately the purpose of Nephos' storage infrastructure audit is to provide you with visibility over your data storage environment. As a result of our assessment work, Nephos provides you with a single output report that highlights the following data-points:

- ▶ Identify areas for immediate clean up
- ▶ Gain operational understanding of what to archive and when it can be archived
- ▶ File types and owners
- ▶ Stale file storage volumes and file information
- ▶ Last accessed data sets
- ▶ File size and distribution
- ▶ Understand workflow & operational inefficiencies introduced by data
- ▶ Establish empirical cost information associated with data management (or lack thereof)
- ▶ Provide understanding of how new technologies may optimize OpEx and CapEx costs for organizations with file-based workflows

About Nephos

Nephos Technologies is the UK's first Cloud Systems Integrator; helping businesses seeking to develop, implement and optimize their Private, Public and Hybrid Cloud strategy.

Nephos Technologies can work with your business in a number of ways, whether that's developing a Cloud strategy, helping you to migrate into a Cloud based environment, or delivering Public Cloud based compute and storage infrastructure; we make sure that you get best value.

Without our own Cloud infrastructure to provide, Nephos are uniquely positioned to be able to do so independently across multiple providers, vendors and deployment methods.

Through our ecosystem of partners, Nephos are able to provide a true end-to-end solution across all Cloud infrastructure types whether that be Private, Public or Hybrid.

If you'd like to find out more about Nephos Technologies, the customers that we work with or the services that we provide then please contact us by phone on: +44 (0) 8453104105 or by Email at sales@nephostechnologies.com