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The newly developed Object Stores (ObS) [5][6][9] enable applications to create and delete objects and to write and read byte ranges to/from objects. ObS provide space management abstraction, late binding, security, safe writes and other capabilities. Building a SAN file system using ObS as storage devices alleviates the challenges men-tioned ...

Object storage, also called object-based storage, is an approach to addressing and manipulating data storage as discrete units, called objects.Objects are kept inside a single repository, and are not nested as files inside a folder inside other folders.. To better understand object storage, it helps to understand file storage and block storage, which are two common ways data can be stored.

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Object Storage vs Block Storage: Comparing Storage ...

What is object storage? - Definition from WhatIs.com

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File storage, block storage, or object storage?

At Nasuni, we combined the scalability and durability of cloud-based object stores with the familiarity of a file store. UniFS™, our patented global file system , breaks each file into chunks stored in an object store before it leaves the security of our client's offices.

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1 Object Store Based SAN File Systems . By J. Satran and A. Teperman. Abstract. SAN file systems today allow clients direct access to block devices for data storage and retrieval without going through a server. This however poses new challenges to file system designers such as security, scalability and manage-ment.

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Object Store Based SAN File Systems J. Satran A. Teperman Julian_Satran@il.ibm.com teperman@il.ibm.com IBM Labs, Haifa University, Mount Carmel, Haifa 31905, Israel Abstract SAN file systems today al-low clients direct access to block devices for data storage and retrieval without going through a server.

The term object storage, or object-based storage, derives its name because it packages data and metadata into objects. Metadata is essentially data that describes other data, or in the case of object-based storage, is information about the files that are typically stored within an object. Objects are stored in a flat structure or address space.

Object storage (also known as object-based storage) is a computer data storage architecture that manages data as objects, as opposed to other storage architectures like file systems which manages data as a file hierarchy, and block storage which manages data as blocks within sectors and tracks. Each object typically includes the data itself, a variable amount of metadata, and a globally unique ...

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Object-based storage has emerged as the preferred method for data archiving and backup. It offers a level of scalability not possible with traditional file- or block--based storage. With object-based storage, you can store and manage data volumes on the order of terabytes (TBs),

petabytes (PBs), and even greater.

Virtual SAN can store and manage multiple objects in a single cluster. Virtual SAN provisions and manages each object individually creating a RAID configuration over the network for every object. When creating an object for a virtual disk and determining how to distribute the object in the cluster, Virtual SAN considers the following parameters:

Virtual SAN and Object-Based Storage - VMware

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Object Stores Vs. File Stores – Nasuni Explains

Object Storage: An Introduction | IBM

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