Athinio OneGridStore—For customized cloud Storage

Technical Sheet - private Cloud Storage for onPremise

Simple, cost effective private cloud storage solutions that will allow you to start deploying your own cloud storage, in your own premise starting from a single server

Technology Summary

Athinio created a purpose built cloud storage system, oneGridStore, targeting enterprise IT needs, who are typically SMB/MSE customers, wanting to build their own private cloud storage, or community cloud storage or implement a hosted private cloud storage.
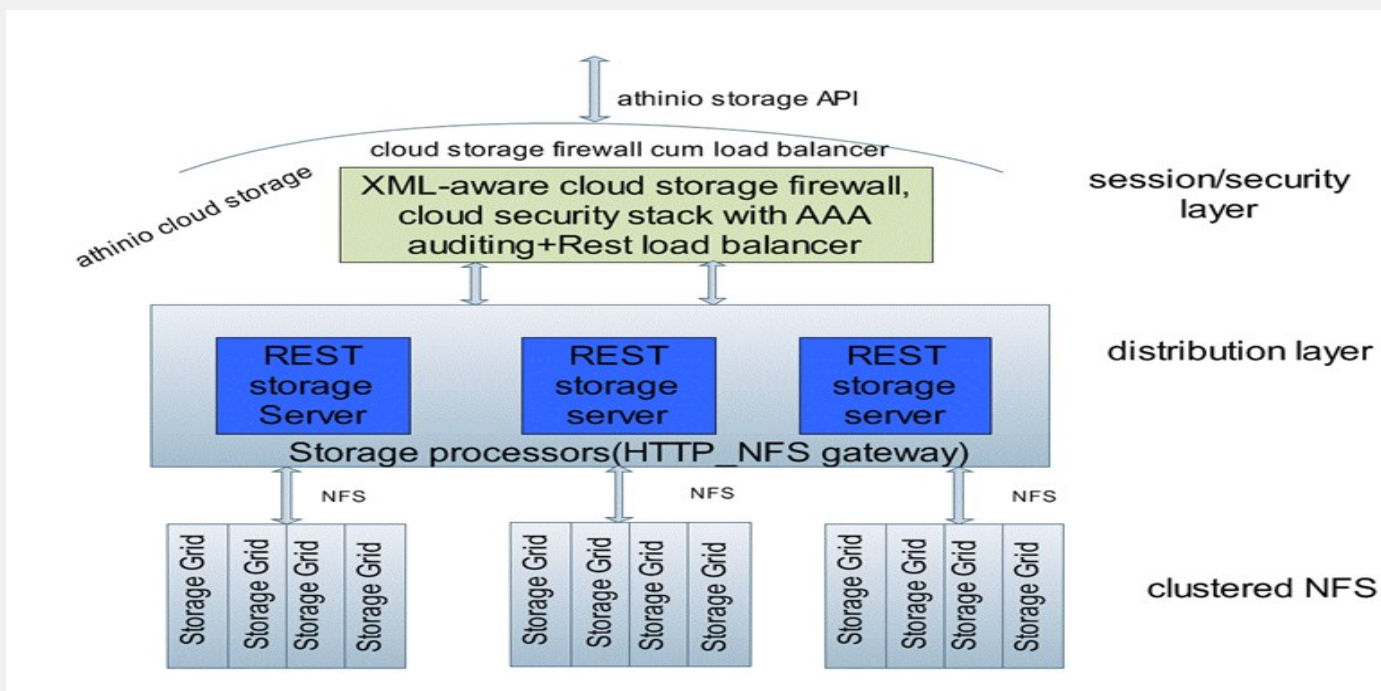
oneGridStorage offers a RESTful/CDMI based cloud storage accessible over a storage API, which is CDMI compliant and is a shared library SDK. API can be used as a programmatically accessible interface from C, independent executable, or java without needing to learn web service semantics. Storage transport occurs through secure HTTP conduit over SSL, with end- to -end data security.

Unlike other vendors, Athinio offers storage services with following features as the fundamentals

Distinctive Features

- Data integrity/ proof of data retrievability checking APIs, without recovering the complete information with automatic repair and self-healing .

- Easy to install, simple to understand, deploy and scale from a single node to a dozen storage nodes

- Configurable, data management services, such as real time replication across the cluster grids .

- Free software, and use commodity Linux based x86 machines

- Object Storage Layer is built on top of any NFS-Exportable file system such as ext2/3

- Application awareness with end to end QoS storage forwarding for maximum "control" for customer data

- onDemand storage provisioning across storage nodes

- Can be used as the building blocks for implementing private cloud storage.

- Simple to download/install and private cloud storage is up and running in minutes, starting with one x-86 server

- Simple user interface to manage the OneGridStore system.

Athinio OneGridStore Architecture

Athinio OneGridStore Interfaces

Athinio offers connectivity to OneGridStore in the following way.

- Using cloud APIs , which are linkable libraries for C or Java applications with the same semantics of a conventional library calls.
- Using our Archival App, cloudBin.
- Standard protocols-NFS/CIFS through Athinio cloudStorage gateway.
- Though vioFS, cloud-attached, file system technology from athinio.

Please read the user manual of Athinio storage APIs to learn more about specific interface operations.

OneGridStore Solution Choices

We understand that different organizations have different needs and we cater to them in various ways. We offer different choices of our product that can be customized to your needs and requirement. Our services comes with a 24 x 7 dedicated customer service.

Server/System Requirements

Minimum of 1 PC or X86 server(REST/CDMI Gateway machine as well as the first storage node)

- OS: Linux (any distribution)
- Memory: 500MB or above(1GB preferred)
- Disk Space: 20GB or above (250 GB preferred)

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