Abstract

Cloud computing is rapidly growing. Still there is need to enhance the cloud computing in terms of availability and security aspects of Cloud service. When we talks about cloud computing, it means we have ability to share the resources through internet. We can store our data on internet space that is provided by service provider. This totally depends upon the service provider that how they store the data and what kind of security they are applying on it. This paper focuses on the cloud storage system. Currently Service Providers are using SAN (Storage area network) as a cloud storage system that is very expensive and need highly trained staff to manage. NAS (Network Attached Storage) has been proposed in this paper to implement "storage as a service" in cloud. NAS is easy to implement and very effective for sharing of data and also in terms of cost. Storage as a service is implemented using NAS and tested in small environment. It shows that it is an effective storage system for cloud in terms of cost and the management of the system.

References


- Liu Hao and Dezhi Han (2011) "The study and design on secure-cloud storage system".


- Yubo Tan and Xinlei Wang "Research of Cloud Computing Data Security Technology".

**Index Terms**

Computer Science  
Distributed Systems

**Keywords**

Cloud Computing  
NAS  
Cloud  
API  
DAS  
Sync.