## Private Cloud Setup with User Storage Management

Introduction

With the rapid growth of the internal volume of enterprise data, it causes many problems in terms of storage, such as the lack of adequate hardware storage devices, high maintenance costs, and incomplete storage environment and so on. Cloud Computing technology can provide customers with the corresponding demand services that can effectively address these issues.

Cloud Computing provides us by which we can access the applications as utilities, over the Internet. It allows us to create, configure, and customize applications online. With Cloud Computing users can access database resources via the internet from anywhere for as long as they need without worrying about any maintenance or management of actual resources.

**Purpose**

We will design and configure an algorithm to cloud user storage management on HADOOP (VMWARE) at operating system of Linux. Manage user directory by using HDFS (Hadoop Distributed File System) as well create remote user interface. User also managed or checked its storage capacity either available or used.

In this Report we also highlight the feature (Scalability, storage management, Network management, user I.D, multiple node,) of different platform like (Amazon, Google, iCloud, Apache Hadoop)