Abstract

Cloud computing is an emerging technology which helps us to use the resources on the fly and pay as per the usage. In case of resource provisioning there are two ways viz. On-demand
subscription and Reservation scheme. Although an upfront fee is required for reservation scheme, the reservation scheme is much cheaper than On-demand subscription. But the reservation scheme also suffers from two main issues. If the allocated resources are more than the actual requirement, it leads to over provisioning which causes waste of upfront fee whereas on the other hand if the allocated resources are less than the actual requirement, it leads to under provisioning of resources. If some effective predictions are done with uncertainties from users and providers and Virtual Machines are allocated based on those predictions then these two problems can be solved to a greater extent. Main objective is to implement a repository called Virtual Machine Repository (VMR) for cloud storage such that the problems of over and under provisioning can be solved to a greater extent. It also saves the cost and time of customers.

References


**Index Terms**

Computer Science  
Cloud Computing

**Keywords**

Vmr  Store  Virtual Machine  Provider  Customer  Cost.