**Existing system:**

In the Existing System cloud computing has received significant investments in the industry. Many cloud providers are participating in the market, forming a competitive environment, Since the amount of resources in a user’s request is much smaller than the capacity of a provider, the user’s request can be satisfied by any provider. The user’s satisfaction can be evaluated through a utility measure which depends not only on the resource properties but also on the user’s preference to choose certain providers, i.e., two providers with the same resource capacities and usage price may be considered different for a user due to the user’s choice behavior and loyalty.