Abstract

Cloud computing is a revolutionary technology that has brought about new luxuries in the field of Information Technology. It provides a source of data and application software storage in the form of huge data hubs called ‘clouds’, which can be accessed with the help of a network connection. These clouds help maximize the capabilities of enterprises without any extra set-up, personnel or licensing costs. Clouds are generally deployed using Public, Private or Hybrid models depending upon the requirements of the user. In this paper, the cloud computing architecture has been assessed, focusing on the various features of the Public, Private and Hybrid cloud models relevant to most individuals and organizations and how they support or hinder the operation of various cloud computing models. This paper intends to provide a bird’s eye view of various characteristics of aforesaid models of cloud; which are put together side by side in order to facilitate the research study in this environment.

Index Terms

Computer Science  Distributed Systems
Keywords

Literature Review, Cloud computing, Public cloud, Private cloud, Hybrid cloud, Comparison, Cloud Service Models, Cloud Deployment Models