Abstract

Cloud computing is one of the important emerging technologies now-a-days. In recent years many of the applications are developed by using the Cloud computing. It mainly works by using the clusters of all the available resources in an organization or a company. Also recently Hadoop framework has also emerged which work in the distributed environments only. Hadoop being a open-source is used by many companies recently. In this paper, we have tried to propose a solution of merging the Hadoop technology with the cloud by using a open-source platform EUCALYPTUS. Since both of the above platforms are open source many of the companies can earn more profit by integrating with them. In this case the MapReduce an important part of Hadoop is being discussed and is tried to merge out with the Cloud by using EUCALYPTUS. MapReduce is a programming model that is developed by Google but widely
A Map Reduce Implementation on Open Source Platform: EUCALYPTUS

used by Hadoop. Thus in this paper we have discussed few of scenarios where Hadoop can fails and also proposed the solution of those by using the Cloud technology.

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Index Terms

Computer Science Information Sciences
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Hadoop  Mapreduce  Cloud Computing  Eucalyptus