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
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.

References

- Jeffrey Dean and Sanjay Ghemawat, &quot;MapReduce: Simplified Data Processing on Large Clusters&quot;, Symposium on Operating Systems Design and Implementation, 2004
- Hadoop: The Definitive Guide, Tom White, 2010
- Hadoop in Action, Chuck Lam, 2010
- Daniel Peng and Frank Dabek, &quot;Large-scale Incremental Processing Using Distributed Transactions and Notifications&quot;, Operating Systems Design and Implementation, Oct. 2010

Index Terms

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Hadoop  Mapreduce  Cloud Computing  Eucalyptus