

Research on Cloud Data Storage Technology and Its Architecture Implementation

Abstract

The concept of cloud computing becomes more and more popular in latest years. Data storage is a very important and valuable research field in cloud computing. This paper introduces the concept of cloud computing and cloud storage as well as the architecture of cloud storage firstly. Then we analyse the cloud data storage technology—GFS(Google File System)/HDFS(Hadoop Distributed File System) towards concrete enterprise examples. In the last part, we illustrate how to improve the traditional file storage method based on eye OS Web operating system which realizes file distributed storage and fault-tolerant control though HDFS technology of Hadoop.