

Abstract:

In a perfect world users would have access to all their data everywhere. Any data would be accessible at any time. However, this is not a perfect world. Distributed File Systems allow us to achieve an approximation of this perfect world. This paper describes the requirements of such file systems. It then describes the history of the father of all distributed file systems. Modern day distributed file systems are then presented, compared, and contrasted. Lastly an ideal distributed file system is presented by combining different aspects of the file systems presented.