An Analysis of Data Security Challenges and Techniques to Overcome These Challenges in Cloud Computing.

Abstract:

Cloud computing is a flexible, cost effective computing as a utility, where users can remotely store their data into the cloud so as to enjoy the on demand high quality applications and services from a shared pool of configurable computing resources. It is a new computational paradigm that offers an innovative business model for organizations to adopt IT without upfront investment. Despite the potential gains achieved from the cloud computing, the model security is still questionable which impacts the cloud model adoption. The security problem becomes more complicated under the cloud model as new dimensions have entered into the problem scope. In this paper we investigated the security challenges arising from the usage of cloud computing and techniques to overcome these challenges in order to enhance the security in cloud computing.

1. Introduction:

In this section, we will describe how the cloud computing works in storing huge amount of data. We will also address the architecture and infrastructure of cloud computing.

2. Security Challenges in Cloud Computing:

In this section, we will describe the potential security challenges in cloud computing and analyze the challenges because of which the correctness of the data in cloud is being put at risk. These challenges are also hurdles for the future development of cloud computing technology.

3. Techniques to Overcome Security Challenges in Cloud Computing:

In this section, we will describe the techniques that overcomes the security challenges in cloud computing because of which the correctness of the data in cloud is guaranteed.

4. Conclusion:

In this section, we will summarize the information and implications of our work which includes potential security challenges and their counter measures.

5. References:

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