

RESEARCH IN CLOUD SECURITY: PROBLEMS AND PROSPECTS

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ABSTRACT

Cloud computing continues to be boasted as a major breakthrough in IT management. With the rapid growth as well as demand of Cloud computing, the major concern is on its security and privacy, which is determined by the policies, controls and technologies needed to protect the data, applications, and the related infrastructure of Cloud computing. These challenges impose several new research questions to the research community to ensure proper security of the IT infrastructure. The goal of this paper is to provide the recent advancements and a broad overview of the existing literature covering various dimensions of the Cloud security. The paper also includes various directions for future research in Cloud security based on the related published work and industry trends. This may be very useful, particularly for the entry level researchers, who wish to conduct the research in these related areas.

KEYWORDS: Cloud Security, Cloud Threats, Cloud Computing, Advances in Cloud, IT Management