STRATEGY FOR IMPLEMENTING CLOUD COMPUTING AND ANALYSIS OF ITS BENEFITS AND RISKS: A CASE STUDY IN BINUS INTERNATIONAL UNIVERSITY

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Abstract

The emergence of cloud computing has taken both the business and IT world by storm. Cloud computing is changing the basic way in which technology services are being provided, used, maintained and paid for. Many different organizations are finding it more attractive to move their operations to a cloud computing environment. Higher education institutions are thought to also benefit from implementing cloud, the objective of this paper is to research that possibility and create a strategy for implementing cloud computing in higher education institutions. Binus International University, located in Jakarta, Indonesia will be the focus of this study, as it fits into the criteria of a higher education institution and also due to the author’s experience and ease of access to the university. Information regarding the current IT infrastructure as well as the problems that are faced by the university are obtained from interviews and questionnaires conducted on students, staff and faculty. This data is then analyzed, resulting in an understanding of the benefits and risks of implementing cloud computing, along with a strategy that can be used to migrate to cloud computing and that can also evaluate the current IT and its suitability to cloud computing. Recommendations on potential cloud solutions are also given.

Key Words

Cloud Computing, Higher Education Institution, Strategy, Cloud Solutions