Abstract

Cloud represents an important change in the way information technology is used. Cloud makes it possible to access work anywhere anytime and to share it with anyone [1]. In order to gain the benefits of the cloud to be used in educational system in KSA, this paper investigates the Requirements Identification for Migration of Higher Educational Resources to Cloud with a view of consolidating a framework that defines a systematic implementation of educational cloud in the Higher Educational Systems for KSA. The proposed framework has four main stages. The first is higher educational organizations assessment, in this stage the organizations must determine their economic objectives, as they relate to, finances, customers and internal infrastructure. The second stage is creating the profile for higher education organization in KSA. Organization’s profiles must be created through a cross-analysis to resolve critical limitations that may delay migration to the cloud, the outcomes of the previous stage and the outcomes of the second stage will offer a complete profile of the organization. The third stage is choose the cloud provider and cloud migration implementation, the main aim of this stage is to choose the best cloud provider based on cost and the services offered. Finally, the last stage is post-implementation. It consists of two steps, which are create plan for moving from one
provider to other and plan for stop cloud services. The benefit of the proposed framework is that the web based tool can be used by education entity at the initial stage, to assist these entities to evolve and move to the cloud computing technology with minimal risks.

References

- S. Misra, A. Mondal, "Identification of a Company's Suitability for the Adoption of Cloud Computing and Modelling its Corresponding Return on Investment,"
- W. Brisken and J. Romney, &quot;To Lease Or Not To Lease From Storage Clouds,&quot; Computer, vol. 43, no. 4, pp. 44 - 50, April 2010.
- Z. Song, &quot;A Decision Support System for Application Migration to the Cloud,&quot; University of Stuttgart, Stuttgart, Master's Thesis 2013.

Index Terms

Computer Science  Information Sciences

Keywords
