World Academy of Science, Engineering and Technology International Journal of Computer and Information Engineering Vol:8, No:06, 2014

Toward a Risk Assessment Model Based on Multi-Agent System for Cloud Consumer

Authors: Saadia Drissi

Abstract : The cloud computing is an innovative paradigm that introduces several changes in technology that have resulted a new ways for cloud providers to deliver their services to cloud consumers mainly in term of security risk assessment, thus, adapting a current risk assessment tools to cloud computing is a very difficult task due to its several characteristics that challenge the effectiveness of risk assessment approaches. As consequence, there is a need of risk assessment model adapted to cloud computing. This paper requires a new risk assessment model based on multi-agent system and AHP model as fundamental steps towards the development of flexible risk assessment approach regarding cloud consumers.

Keywords: cloud computing, risk assessment model, multi-agent system, AHP model, cloud consumer **Conference Title:** ICCETA 2014: International Conference on Cloud Engineering: Theory and Applications

Conference Location : Paris, France **Conference Dates :** June 26-27, 2014