

Abstract

Non-Governmental Organizations perform crucial functions in championing economic, social, environmental and governmental watchdog causes in the society however running ICT is not their core purpose but an enabler to enhance their operations and hence achieve their causes, missions and objectives. Cloud computing delivers a computing paradigm that modernizes the delivery of ICT services and functions, despite the value proposition that cloud computing proposes various NGO's continue to deter and lag behind in adopting cloud computing as a model to consume ICT services and prefer traditional on premise computing paradigm or even minimal usage of ICT. For these organization's to effectively and efficiently achieve their mission and purpose it's inevitable for them to adopt cloud computing but the inadequacy, barriers and other associated risk factors that hinders adoption of cloud computing forms the basis of this study towards the pursuit of an adoption framework that will drive the uptake of cloud computing within NGO's.

The study attempted to investigate why NGO's within Nairobi-Kenya have not adopted cloud computing technology by studying the factors that would drive NGO's to adopt cloud computing and if cloud computing can fit in their ICT strategy as a contributing factor to the core strategy as well look at previous or existing cloud computing adoption framework and their shortfalls which drove the formulation and testing of a proposed cloud computing adoption framework. The study further evaluated the proposed adoption framework and made recommendations as well proposed future studies.

The study adopted action research methodology as a systematic approach to undertake the research; the approach comprised of planning processes which was the problem being investigating and formed the foundation of the study, an acting process that included previous research of cloud computing technology; architecture; models adoption and migration frameworks which was conclude by defining a conceptual model with four key factors that drove

the adoption of cloud computing , an observing processes that comprised of creating a questionnaire and collecting data that would drive the formulation of a proposed adoption framework; in analyzing the data statistical and sampling techniques and key factors that were highlighted that formed the adoption framework included Organizational factors, Strategic factors, Stakeholder factors, individual factors, technological factors, environmental factors and organizational factors, adoption drivers and adoption barriers and concerns each of this factors had sub factors that were measured and ranked based on their score of priority considerations and finally the reflection stage which was a reflection stage and highlights a continuous process of the proposed adoption framework evaluation .