Assessment of Readiness for Launching Cloud Computing Services: The case of Ethio telecom, Ethiopia

TREO Talk Paper

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Abstract

A nation’s Telecom system plays an important role in its socio-economic development. Studies have suggested that Mobile Telephone systems are enhancing people’s standard of living across Africa. This case study assesses the technical and organizational readiness of Ethio telecom to implement Cloud Computing services. The study used STOPE model formulated by Bakry el al., (2004) as a theoretical base. Structured survey questionnaire was used to gather data from 100 Ethio telecom’s mid and operational level employees. Subsequently, SMART PLS structural equation modeling software was used for analyses and model testing of readiness across five variables: Technology, People, Organization, Strategy, and Environment.

The outcome of the study shows that although Ethio telecom has the basic infrastructure to launch Cloud Computing, it needs major improvements on the technical and organizational dimensions. From practice point of view, the study signals the need to undertake readiness assessment before embarking on new technology adoption. From theoretical perspectives, the study validates Bakry’s (2004) STOPE model for readiness assessment at least for the company studied, and, possibly for telecom systems in Sub-Saharan Africa.

References

