

A Framework for the Implementation of a Private Government Cloud in Saudi Arabia

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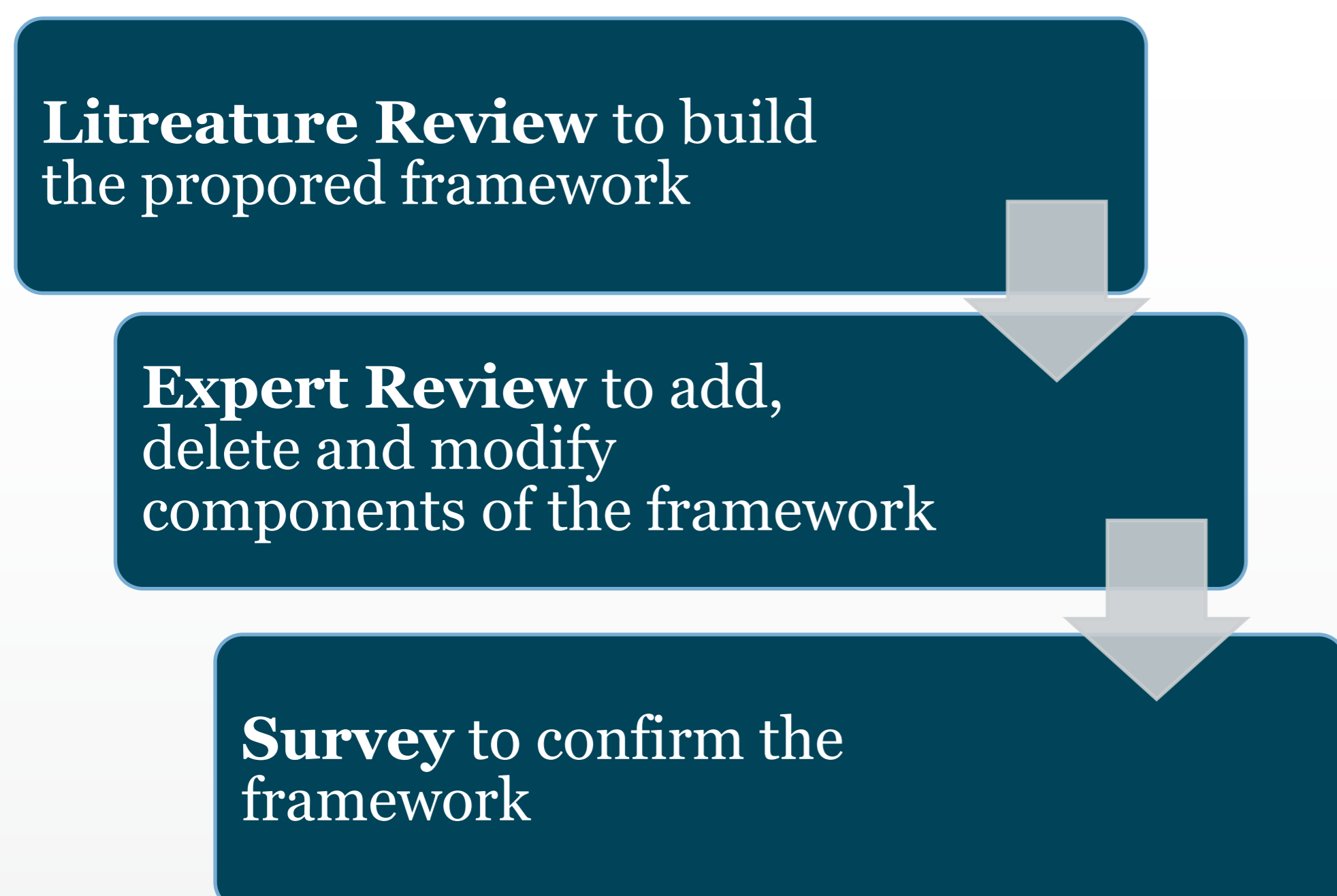
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Introduction

Despite the effort and copious amounts Saudi Arabia is investing in the transition towards e-government, it is hindered by the weakness of the Information and Communication Technology infrastructure in its government agencies[1]. The development of a private government cloud is a solution for improving and standardizing the ICT infrastructure. The implementation of this solution will require infrastructural, organizational, cultural and systemic changes to be successful. Several challenges to the implementation of cloud computing have been identified but, there has not been any research into the challenges specific to its implementation in Saudi government agencies.

Methodology

The study employs a triangulation[2] method which involves using three different methods to confirm the findings. The methods chosen for this study are a literature review, an expert review and a survey.



Proposed Framework for the Successful Implementation of a Private G-Cloud in Saudi Arabia

Conclusions and Future Work

A qualitative review of the literature has shown that there are several challenges that need to be overcome when developing a private cloud for intergovernmental interaction in Saudi Arabia. By identifying the challenges, it has been possible to determine ten possible success factors for the implementation of a private government cloud in Saudi Arabia. These factors make up the proposed framework for successful implementation of a private government cloud in Saudi Arabia.

Future work will focus on completing the triangulation to validate the framework. The methods used will include an expert review of IT experts in Saudi government agencies and a survey of Saudi government employees.

References

1. Alshehri, M., Drew, S., & Alfarraj, O. (2012). A Comprehensive Analysis of E-government services adoption in Saudi Arabia: Obstacles and Challenges. *International Journal of Advanced Computer Science and Applications*.
2. Denzin, N. (1970). *The Research Act in Sociology*. Aldine.