

SCOPE OF WORK

The services of cloud-consulting experts are required to advise Eskom on how best to plan the Cloud journey, define the building blocks and provide guidance on the proper implementation of Cloud in Eskom. Developing the business case and identifying the associated risks and challenges that Eskom may undergo during and after the cloud migration process

This scope will be to:

1. Assess the current Cloud Adoption Strategy, Applications and Project Portfolio.
2. Develop a cloud strategy, considering the Eskom Business Plan, the Regulatory requirements, the current Cloud Strategy, Policy, Standard and Cloud risk assessment, and the current application environment. These documents will be made available after the contract placement, except the Regulatory documents from the Department of Communications And Digital Technologies, which are publicly available.
3. Develop a Cloud strategy implementation plan by providing Eskom with a journey/road map of applications and initiatives (cloud building blocks and foundational technologies) to implement. This plan should include timelines and migration costs.
 - Consideration should be given to the phased implementation approach considering prioritisation, funding and constraints as well as integration, cyber security and network
 - The strategy should also address multi-cloud and multi-cloud workload placement to assist Eskom with decision-making around the use of cloud
4. Technical Assessment of the current application environment to advise on the Migration and Modernisation patterns to determine the roadmap
 - Identify applications/solutions that are cloud-ready and can be modernised, looking at cost savings opportunities and benefit realisation
 - Also, taking into consideration Architecture standards/principles and Cyber Security
5. Provide strategic direction that will include a business case for identified cloud solutions or initiatives (cloud building blocks and foundational technologies)
6. Provide an Architectural reference model view depicting the capabilities of Cloud in Eskom
7. Provide a high-level Multi-cloud architecture design which shows how the reference architecture needs to be implemented to be functional. This should include:
 - Connectivity design, network, cyber security
 - Designs for all the Building blocks that form part of the reference architecture
 - Services and Tools must be fully integrated into the Ecosystem, i.e. Service desk and Monitoring
 - Assess the current Cloud Management Platform, looking at gaps in the implementation and recommending the way forward
 - Patterns for SaaS, PaaS, IaaS On-Premise and Off-Premise Pricing models that are usage based for the various cloud options
 - During this process, it is preferable that relevant architecture artefacts be updated or imported into ARIS to ensure re-usability and standardisation

8. Revise the Cloud Policy, Standard and Risk Assessment to align with the new Cloud Strategy. This should include:
 - Guidelines to assist with decision-making around the cloud placement of applications. This Guideline will be used by IT as well as businesses to decide if an application should move to the cloud as well as what type of cloud deployment
9. Assist in setting up a Cloud CoE
 - Develop guidelines to assist Eskom in setting up the structures, processes and policies
 - The structures should include recommended job profiles
 - Develop a guideline to assist with the costing model using best practices, in order to guide Eskom on licensing models for all types of Cloud options