INTRODUCTION

Preparing, financing and implementing infrastructure projects in Sub-Saharan Africa

- Founded: 1983
  - DBSA Act 1997
- Owned: 100%
  - by SA Government
- Total assets: R82.3bn
  - Equity: R35bn

- Externally rated
  - DBSA foreign currency rating is Baa3 (Moody’s)
- Well governed
  - Unqualified audits
  - A+ rating from AADFI PSGRS
- Globally accredited
  - Global Environmental Facility
  - Green Climate Fund EU 6-pillar
DBSA PRIMARY FOCUS

Primary Focus

DBSA’s primary focus

1. Plan
   - Project identification
   - Feasibility assessments
   - Technical assistance
   - Financial structuring
   - Project Preparation funds
   - Lead arranger

2. Prepare
   - Provide vanilla and boutique financing opportunities
   - Debt
   - Mezzanine Finance
   - Limited non-recourse lending
   - MLA

3. Finance
   - Managing the design and construction of key projects in the education, health and housing sectors
   - Project Management support, including to the Green fund

4. Build
   - Supporting the maintenance and/or improvement of social infrastructure projects

5. Maintain / improve

Client markets

- Under-resourced municipalities
- Public-private partnerships
- Regional integration

South Africa
- Municipalities
- State-Owned Enterprises
- Public-Private Partnerships
- Public-Public Partnerships
- Private sector

The rest of Africa
- State-Owned Enterprises
- Public-Private Partnerships
- Private sector

- National and provincial government departments
- Municipalities

- National and provincial government departments
- Municipalities
The purpose of this document is to detail the Terms of Reference (ToR) for the appointment of a suitably qualified vendor to design and implement a Hyper converged server and storage solution.

- The DBSA currently has an IBM server and storage solution that is reaching end of life. The current solution hosts all the Banks Hyper-V virtual servers. It also integrates into a Cisco network. The Bank is looking for a hyper converged server storage solution to completely replace this aging equipment. The intention is to move away from the traditional server and storage technology to a virtualized server and storage solution that provides more of an infrastructure as a service architecture.
DELIVERABLES

Deliverables, Outputs and Timelines

- Server storage solution with high availability,
- Housing cabinet,
- 3-year support and maintenance agreement,
- 2 training and certification offers (credit or voucher with flexibility to choose dates),
- Monitoring capability, and
- Server Storage Blueprint and Standard Operating Procedure documentation
- Project plan for the duration of the implementation
SCOPE OF WORK

Deliverables, Outputs and Timelines

- Hyper converged virtualized compute, storage and network
- Redundancy, the solution will be hosting the Bank’s core systems and must be fault tolerant with no single point of failure (high availability).
- Provide sufficient CPU cores to run the above servers and provide capacity to add another 30%
- Provide sufficient capacity for growth. The initial capacity should be 150 TB and allow for growth of 10% per year
- Integrate into the Banks Cisco network, specifically the dual 6800 core switches.
- A cabinet(s) to house the equipment.
- Able to run MS Windows Server Data Centre 2016 or higher and above hosts running multiple versions of MS Windows Server Virtual Machines(The licenses will be provided by the DBSA)
- Provide advisory and implementation assistance for a hybrid on premise and MS Azure solution.
SCOPE OF WORK

Deliverables, Outputs and Timelines

- 3-year support and maintenance contract, that include break/fix with a response time of 1 hour and 4 hours to repair. The contract should also include all firmware upgrades, bug fixes and performance tuning. A quarterly health check should also be provided.

- Training and certification for server/storage specialists.

- Monitoring tools to manage the day to day performance of the solutions

- Monthly health checks of the environment

- Setup of standard reports; monthly and quarterly

- Documentation of appropriate Standard Operating Procedures

- Provide a low-level design document and A1 printed architecture and editable digital version to maintain updates, when necessary.
SCOPE OF WORK

Deliverables, Outputs and Timelines

- Migration strategy for the VMs from the old to the new infrastructure
- Provide a high-level project plan with timelines
Indicate the application that are currently being hosted?

See attached spreadsheet.

What is the future cloud strategy

DBSA wants an environment that can seamlessly be used/integrated with MS Azure.
THANK YOU