ID: Type: **Poster**

Data Centre at Royal Science and Technology Park, Swaziland

Royal Science and Technology Park (RSTP) is in the process of constructing a Tier-3 National Data Center (NDC) for the country. RSTP National Data Center will be the brain of the establishment; it will accommodate computer systems and a number of mechanisms, such as telecommunications and storage structures. The processors and servers that will be hosted will run 24/7, with an up-time of 99.999%. The Park through its NDC will enable delivery of a number of services. Network equipment and optical fibre will offer the infrastructure that is crucial for running the facility. We are expecting to connect the whole country. Also key about the NDC we will be hosting of data. We will implement this through Cloud Computing Services such as Infrastructure as a Service (IaaS), Platform as a Service (Paas) and Software as a Service (SaaS). We anticipate having a high internet access speed, to ensure our clients receive a stable and are continuously on access. A multi path redundancy in the network infrastructure routing, uninterrupted power supply, cooling and fire prevention & suppression systems and backup protocols is also being considered for fail-over options. This will ensure Uninterrupted Business Continuity for the RSTP clients.

Primary author: DLAMINI, Khanyisile (Systems Developer & Business Analyst)

Presenter: DLAMINI, Khanyisile (Systems Developer & Business Analyst)

Track Classification: 4. Performance Optimization and Systems Engineering