

SOUTH AFRICA'S ECONOMY BENEFITS FROM HYPERCONVERGENCE

What do you do when your ICT infrastructure is vital for your business and indirectly for your country's economy as well? And when you don't have infinite budgets to invest in hardware, support and maintenance? Hyperconvergence proved to be the answer.

The Johannesburg Stock Exchange ("JSE") is considered to be the trading market of choice for local and international investors looking to gain exposure to the leading capital markets in South Africa. We are currently ranked the 19th largest stock exchange in the world by market capitalisation and the largest exchange on the African continent.

In order to maintain and improve our world-class quality of service, we have to focus on the access speed and reliability of our online services. The success of an online trading platform depends largely on its market system availability, resilience and lightning-fast response times. The biggest challenge? As our business expands due to market interest (through volume and value), our infrastructure needs to scale accordingly in order to maintain this level of quality and performance. But how can we manage this without incurring excessive compounded investments in infrastructure and personnel to support and maintain that infrastructure, yet remain competitive?

HYPERCONVERGENCE TO THE RESCUE

We found the answer to many of our concerns in the hyperconvergence platform offered by Nutanix. Not only did it make the infrastructure far more manageable by getting rid of the traditional silos of computing, network and storage, it also reduced the administrative complexity of working with multiple vendors to keep the infrastructure up and running. By standardising on one converged infrastructure platform, we have managed to achieve significant operational cost-savings, both on the infrastructure side and in terms of the resources needed to support and maintain this infrastructure. Better still, the ease of use of the Nutanix platform has further reduced the time-to-deploy and the need for intervention by approximately 70%.

Who is
ROBIN TUCKER

Robin Tucker is Head of Enterprise IT at the Johannesburg Stock Exchange. The Johannesburg Stock Exchange ("JSE") is considered to be the trading market of choice for local and international investors looking to gain exposure to the leading capital markets in South Africa.



We are expecting an overall cost reduction of approximately 45% over the next five years. By the same token, we have also managed to ensure that the infrastructure environment is more predictable, by improving availability and reducing latency between internal systems. Low latency is key in trading, so we now – more than ever – feel better equipped to provide our trading partners with the best possible service.

The JSE is considered to be a key financial contributor to the South African economy, given the role that it plays and the capital market trading services it provides. If we thrive, the whole country thrives. The importance of our infrastructure for our organisation, as well as the role it plays in the whole South African ecosystem, can hardly be underestimated. Thanks to Nutanix, we look forward to years of reliable, sustainable growth and continue to offer a world-class platform to all our participants.