Virtual Data Centre

Just like an onsite data centre, without the headaches.

Journey to the Cloud

- Cost guarantees you'll never exceed your cloud budget
- High-performance storage and data backup, powered by Veeam
- Pay per use model, billed in rands
- Optional Managed Service to manage your environment
- Reduced CapEx and operational costs
- Hosted in dual ISO certified data centres

Product Overview

Market Overview

South Africa has entered a new paradigm of working from home. In addition, we have seen depreciation in the Rand Dollar, excessive electricity tariff increases, and load shedding predicted to be with us for the predictable future. In conjunction with a critical skill shortage owning and managing an onsite IT infrastructure is challenging.

It is no surprise therefore that companies are turning to the Cloud. Migration to the cloud brings with it, its own risks.

- Are my applications compatible with the cloud?
- How do I right size moving into the cloud?
- What will moving to the cloud cost me?
- How do I ensure infrastructure uptime?
- Will I have the right skills and resources to manage moving to the Cloud?
- How do I ensure I don't have budget overruns?

Assess, Migrate, Manage

Up to 30% of cloud migrations rollback and over 80% result in budget over runs, largely because they are not scoped correctly. At Vox we work on a three-step process to move you seamlessly into the cloud. Assess, Migrate and Manage is the cornerstone of our cloud offering ensuring that you have the right information, services and skills available to make your cloud journey a success.

1 — Assess

A Cloud strategy starts with an assessment that includes costs and infrastructure dependencies. This will ensure the decision to migrate is informed by facts.

Assess
The starting point is an assessment of your IT Infrastructure estate and Cloud readiness. This includes analyzing and assessing your current infrastructure, physical and/or Cloud-based, LAN/WAN, applications, and operating system. Using this information, our Cloud consultants and solutions architects will design a solution best suited for you as well as providing an accurate cost projection and ROI analysis.

2 — Migrate

Skills and experience are critical in the next step i.e. migration to lift and shift, as well as customise applications to function optimally.

Migrate
Once the solution has been signed off, we move to the migrate section. Our certified and experience managed services team will plan and execute the migration with no downtime, no risk and no duplicate billing.

3 — Manage

In the post migration phase, managing uptime, performance and budget adherence with regular infrastructure, rightsizing and ongoing monitoring of provisioning are crucial.

Manage
Once you are in the cloud, we offer the option of a fully managed cloud service where we manage everything from the operating system to the applications so that you can concentrate on running your business while we worry about the nuts and bolts.

Visit us at **vox.co.za**
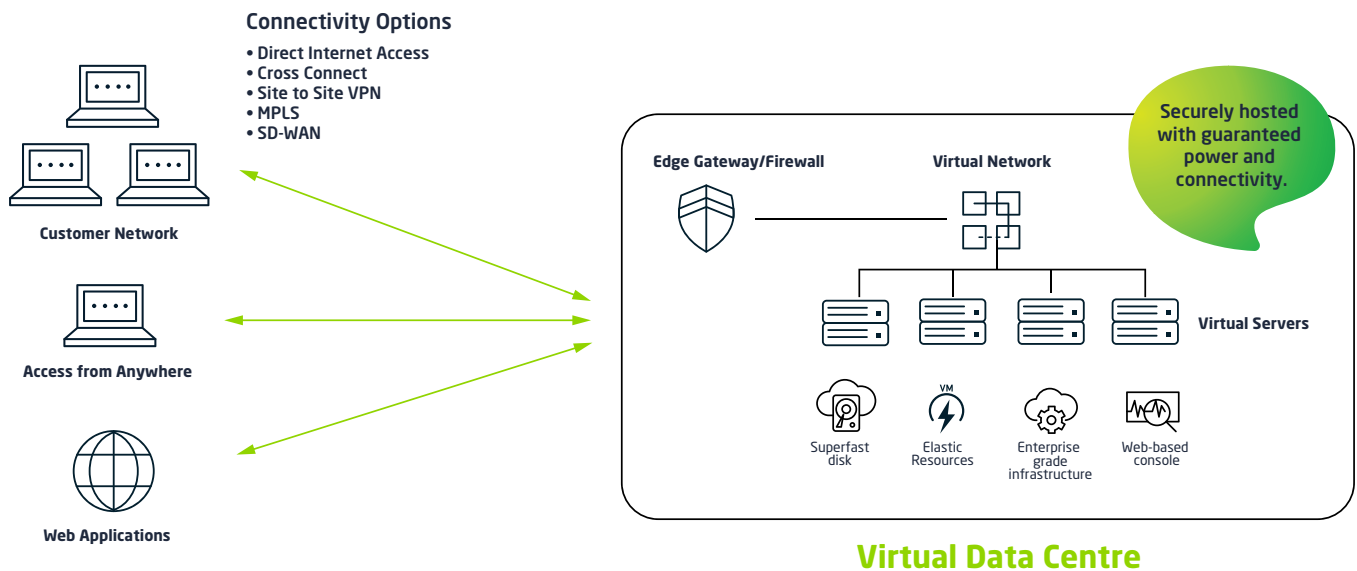
Technical Excellence

Vox Virtual Data Centre offers scalability as your business footprint grows. A truly elastic virtual data centre that boosts your day to day productivity, capacity planning and management. Our Virtual Data Centre offers you a virtualized pool of cloud infrastructure resources including compute, memory, storage, licensing and network. Our data centre is hosted in secure locations that adheres to the highest access control, redundant power ensuring your business always remains connected.

The Vox Virtual Data Centre comprises

- **Dual data centres**
  The Vox VDC is hosted in dual Teraco locations offering the option of full redundancy. Teraco is the leading data centre provider in South Africa, offering 99.999% uptime, direct interconnection to all major ISP's and hyperscalers. Teraco meets all critical data centre compliance requirements.

- **Storage**
  As organisations scale to meet a digital age, we realize that superfast storage is mandatory to meet your demanding business requirements. As a result, all workloads are provisioned on high performance storage, without the traditional cost overheads. This means our customers enjoy the benefits of higher application performance regardless of the workload. For less intensive processes like backup and archiving, Vox offers a more cost-effective option to keep cost down.

- **Compute**
  The Vox VDC allows customer to scale up or scale down resources to meet changing business needs. The per hour billing means that customers pay for what they use.

- **DR Strategy**
  Vox has built-in an inherent layer of redundancy into its infrastructure. However, for customers that require a DR facility, the option of failover is available. This includes VDC to VDC as well as on-site to VDC through a seamless process.

- **Cross Connect**
  Interconnection has never been made easier. We support both virtual and physical cross connect requirements to all hyperscalers and major ISP's. In addition, we offer private connections between office and VDC which offers reduced latency and superior performance.

- **Operation and Management**
  VDC Management portal offers full operations and management capability. This includes:
  - Provisioning of new servers and additional services
  - Resource management.
  - Monitoring and alerting

- **Security Compliance**
  Vox is an ISO27001 certified company. In addition, our technical infrastructure adheres to the VMware Validated Design for Data Centres.

How It Works

Connectivity Options
- **Direct Internet Access**
- **Cross Connect**
- **Site to Site VPN**
- **MPLS**
- **SD-WAN**

Customer Network

Access from Anywhere

Web Applications

Edge Gateway/Firewall   **Virtual Network**

Securely hosted with guaranteed power and connectivity.

Virtual Servers

Superfast disk   Elastic Resources   Enterprise grade infrastructure   Web-based console

Virtual Data Centre

Features & Benefits

Features	Benefits
Pay per Use	You are billed for the resources used per hour, in South African Rands.
Fully Elastic	VDC customers benefit from a fully elastic data centre that allows you to grow as you need to with no red tape. Virtualisation empowers you to increase or decrease resources to support peak times.
Management	We offer an optional Managed Service to ensure proactive management of your Data Centre.
Monitoring tools	Operations Manager enables real-time monitoring of your Virtual Data Centre. The alert option allows you to be proactive as you reach capacity thresholds.
Security	Our security practice is backed by Fortinet virtual firewalls across Vox's Virtual Data Centres protecting against breaches. In addition, Vox delivers comprehensive DDOS protection to mitigate against denial of service attacks.
Backup & Replication	Your Virtual Data Centre can be easily backed up using the Vox Backup solution. We support data centre replication that means that there is always a mirror image of required servers to the replication data centre. Vox empowers you as a business to embark on your DR strategy.
Licensing	Vox adheres to Microsoft SPLA policies. Our monthly licenses offer much relief from traditional annual Capex costs. If you already have Microsoft licenses, bring them along as we support license mobility.

vmware® Partner Connect

veeAM | **Cloud & Service Provider** Gold

TERACO DATA ENVIRONMENTS

About Vox

Innovation and insight combine in Vox, a market leading end-to-end integrated ICT and infrastructure provider and telecommunications company. From data to voice, as well as cloud, business collaboration and conferencing tools, Vox offers intelligent solutions that connect South Africans to the world, supporting entrepreneurs, customers and commerce, whilst practicing values of integrity, choice and service excellence in all of its dealings. For more information **click here.**

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