

Transformed business Managed Storage

The amount of data being generated in the new digital world per second has resulted in the so-called age of big data where data is now seen as a strategic asset, therefore the ability to quickly scale capacity is important for any business that sees a sudden or unexpected spurt of data growth which can be used to unlock new value.

Using Liquid Telecom's Managed Storage solution gives you the ability to scale as your business grows. Our solution enables you to control costs and expand your IT services but also ensure that your data has the necessary security, performance and scalability requirements. Our Managed Storage solution is built to address your needs from low level archive/backup storage to high performance storage for intensive database environments.

How does Managed Storage grow your business?

- **More responsive** to business needs by removing the distraction of managing and maintaining a storage environment.
- **Staff are focused** on core business services, while enjoying peace-of mind knowing that your storage systems are fully secured 24/7.
- **Spend less on capital expenses** while enjoying state-of-art storage hardware, Data Centre facilities and various other services.
- **Get access to expert support** from our on-site engineers. Ensuring your storage is available even when your team is not.

What can you expect from Managed Storage?

Our Managed Storage platform offers comprehensive solutions by unifying file-based, block based offerings and various protocols into a single product using diverse efficiency boost mechanisms to provide industry-leading performance. Our Managed Tiered Storage offering is optimally aligned to ensure you can choose the best solution based on your application requirements.

Key benefits to using Liquid Telecom's Managed Storage:

- Access to and use of Liquid Telecom's world-class storage and network infrastructure, fully managed and supported by skilled and experienced storage experts 24x7x365
- Enjoy the benefits of a pay as you grow cloud model
- Our solution is based on tiers which allows you to match your application to appropriate storage tiers, based on cost and application requirements
- Our Flexible storage tier options enables you to drive cost efficiencies by choosing the storage disk/type that best suits your business application needs as different applications have different storage requirements
- Easy expansion and upgrading of services by increasing the storage volumes/capacity at any time
- Reduced capital and operating expenditure – no need to buy an expensive Storage System - only pay per GB for the storage space provisioned
- By using our multi-tenanted storage platform, you save on costs related to power, real estate, energy and cooling compared to owning dedicated hardware managed by you
- The ability to store your data either in our Cape Town or Johannesburg Tier III Data Centres, giving you the ability to control where your data is stored
- Rapid speed of deployment
- Free your staff from the hardware provisioning cycle to allow them to focus on what really matters, supporting your business



Managed Storage

How are Applications tied to storage systems? :

It is common nowadays for one storage system to process diversified applications. However, those applications have differentiated requirements on storage. Therefore, the storage system must have high flexibility in performance and networking.

Each type of application services has its specific requirements for storage systems:

- Database servers (featuring unstructured data) have high requirements on storage performance, data integrity, and system stability.
- Mail servers (featuring high randomness of concurrent accesses) have high requirements on storage performance, data integrity, and system stability.
- Backup servers have low requirements on performance and bandwidths
- Video servers have high requirements on storage capacity, data access continuity, and continuous bandwidths.

What are the options available to you?

| Tiered Options | Pricing | Storage Interface | Application Types |
|----------------|---------|------------------------------|---|
| NLSAS | Per GB | Fibre Channel NFS CIFS | Suitable for application servers such as low-end video servers and backup servers that have a low storage performance requirement |
| SAS | | | Has a performance lower than SSDs but higher than NL-SAS disks, and are suitable for application servers such as common database servers, mail servers, and high definition (HD) video servers that have a moderate storage performance requirement |
| SSD | | | Delivers the highest performance among the three types of tiers, and are suitable for application servers such as busy database servers and mail servers that require superior storage performance |

Take advantage of our value-added services:

Burstable per Gigabyte **Hosting Bandwidth, a pay as you use** hosting bandwidth, for access to **multiple gigabits per second** of internet speed, without any shaping or caps being applied to the internet traffic. Because of the dynamic bandwidth provision demand required with using storage, Liquid Telecom offers **usage-based billing for peak capacity required beyond the committed capacity.**

Why Liquid Telecom

- Our Data Centres are strategically positioned and located at the heart of our most peered fibre network, offering customers the highest network availability from our data centres to any location nationally and to other locations around the globe.
- Africa's largest fully redundant fibre network means fast access to your hosted servers and data
- Carrier neutral facility provides you with greater flexibility in connecting directly with a network provider of your choice
- We have a full range of hosting services - from Colocation to our inherently secure Cloud to choose from.
- Choose our VPN to connect your branches to our data centers and get free bandwidth.
- Keep your data safe and secure in South Africa by hosting in our secure, and reliable Data Centres

About Liquid Telecom Data Centres

Designed, built and operated to the highest standards demanded by today's leading cloud providers, carriers and enterprises, our Data Centres provide businesses with peace-of-mind, regardless of the scale of requirement.

With an abundance of local and international carriers as well as leading cloud and content providers physically connected or located in our facilities, our Data Centres are an integral part of Africa's largest and most-peered open access network - **The heart of Africa's digital transformation**

Liquid Telecom, your digital transformation partner

We believe in the ambition and potential of the African business. That is why we combine our expansive reach, reliable, high-speed connectivity, state-of-the-art data centres and innovative digital solutions to augment your digital experience. Because we are not just a telecoms company. We are your digital transformation partner.

