



VIRTUAL SERVERS

Virtual servers hosted in our secure data centre for maximum uptime and minimum business risk.

CipherWave's virtual servers are hosted in our state-of-the-art secure cloud environment built for 99.9% uptime and are designed to meet every business's requirements, from small entry-level web servers to high-end SQL servers.

The fully redundant enterprise architecture abstracts the virtual servers from any potential physical hardware failures, which means minimised risk and downtime effects when the unexpected happens.

CipherWave offers the following options to our customers:

STANDARD VIRTUAL SERVERS

- Virtual environment backups are done daily to disk using Veeam Backup and Replication software.
- Daily backups are kept on disk for a period of 7 days.
- A full backup is performed every Saturday, followed by incremental backups every other day.
- Scheduled backups occur every evening.

REPLICATED VIRTUAL SERVERS

- CipherWave replicated virtual environment incorporates the standard virtual machine configuration with additional replication to CipherWave secondary datacentre housed in Isando.
- Replication between the primary virtual environment to the secondary virtual environment is done using Veeam Backup and Replication Software.
- Replication between the 2 virtual environments is done on an hourly basis.

HIGH AVAILABILITY SERVERS

- Two virtual machines running in active-active mode across two data centre environment.
- CipherWave virtual environment backups are done daily to disk using Veeam® Backup and Replication™ software.
- Daily backups are kept on disk for a period of 7 days.
- Backups are performed on the vmdk files.
- A full backup is performed every Saturday, followed by incremental backups every other day.
- Scheduled backups occur every evening.

BUSINESS BENEFITS

- Improved disaster recovery planning and reducing downtime effects through a highly effective means of backup.
- Built for 99.9% uptime
- Deploy in minutes
- Reduced operational costs - less power and environment management requirement
- Local hosting allows for better support
- Highly available

FEATURES

- All servers equipped with IP address and bandwidth usage per month
- Redundancy across 2 data centre environments
- Fully redundant enterprise architecture
- Ability to load balance business applications between 2 environments
- Automatic daily backups
- Managed through user-friendly control panel
- Can be upgraded with additional processing, memory and storage within minutes
- Always-on virtual environment
- Enterprise performance

ABOUT CIPHERWAVE

CipherWave is a South African Internet Service Provider (ISP) that provides growing businesses with a range of solutions to help them connect, communicate and collaborate with their customers, employees and suppliers. We own and manage our own network infrastructure, which enables us to provide efficient, speedy service and support that our customers can count on 24/7.