
Redstor Virtual DR

Professional businesses often can't afford the loss of access to critical business data for even a couple of hours. Redstor's virtual DR service ensures that when a disaster occurs, a business' systems and data are accessible via the Internet within minutes.

Summary

Redstor's Virtual DR service addresses the requirement for copying and recovering working servers offsite quickly, and streamlines and simplifies the disaster recovery process for the customer, making it faster, easier and guaranteed to succeed.

The service ensures system copies are remotely recovered and tested nightly, ensuring that the DR process will succeed when required. All system copies that pass testing are stored ready for booting instantly in the event of a disaster.

System Snapshotting

Redstor's Virtual DR service functions using a dedicated on-premise appliance which snapshots a customer's server(s) and securely transfers those snapshots offsite.

After an initial full snapshot, the appliance automatically takes incremental snapshots at predefined intervals. The appliance stores the snapshots locally and then securely transfers them to the DR platform in an encrypted format whilst minimising bandwidth usage.

Once transferred to the DR platform, the snapshots are remotely recovered and those which pass testing become fully functional system images ready for booting.

Automated Testing and Feedback

Many organisations only test their DR procedure once a year. Redstor's Virtual DR service tests every image nightly to ensure that success is guaranteed. The recovery systems are booted up and agents test and report on a wide variety of items including the OS, domain, status of processes, services and applications. Even the content of event logs is examined.

Any failures or issues are investigated thoroughly. Redstor is therefore able to proactively highlight problems on live systems before they result in downtime and before they interfere with the recovery process.

Invoking Disaster Recovery

Redstor's Virtual DR service hugely simplifies what would otherwise be a very complicated procedure. The customer simply contacts Risc IT Solutions. At this point, our Technical Support Team endeavor to bring customer systems online quickly and effectively through the administration console.

Included in this process is setting up the operational environment including VPNs, Network, DNS, MX to deliver a comprehensive working solution.

Transferring off the DR platform

Rather than adding more stress to an already difficult situation, Risc IT Solutions won't set deadlines for customers to move their live systems off of the DR platform.

Customers are able to take any time needed to carefully plan how best to move operations off the DR platform. We will assist in any way possible including providing data in any format required from fully operational virtual machines, if licensing permits, through to a simple data backup.

A Fully Managed Service

Redstor's Virtual DR service is a fully managed service requiring little to no customer management. Once configured, it automatically ensures snapshots are taken offsite at regular intervals with proactive feedback from Risc IT Solutions in the event of any snapshot issues.

Any designated member of the customer's staff can invoke DR as no technical expertise is required from the customer. Our team is here to support you in the event of Disaster Recovery being required.

The Redstor Virtual DR Process

Step 1: The on-premise appliance snapshots live servers. Data is compressed, encrypted and transferred securely to the DR platform.

Step 6: The entire process is repeated every 24 hours. Additional incremental backups can be created much more frequently than 1 per day.

Step 5: Pre-recovered systems are ready to be booted immediately when required with secure access available from any Internet connection. All that is required is a phone call to Redstor.



Step 2: Updated snapshots are created on the DR platform by combining latest incremental snapshots with existing snapshots.

Step 3: The updated snapshots become working virtual images. The DR platform is configured such that it replicates all dependencies as well as secure network connectivity.

Step 4: The pre-recovered systems are booted and the entire solution is thoroughly tested. Any errors are investigated and feedback is given to the customer.

Service Benefits:

- Removes all DR uncertainty - The DR process is guaranteed to succeed as images are pre-recovered and tested daily to ensure they will work when needed. In addition, recoveries are guaranteed to be available within a specific number of minutes.
- Removes management headaches - Redstor's Virtual DR service is a fully managed service which enables customers to focus on live systems whilst leaving DR concerns to us.
- Removes reliance on IT staff to invoke DR - DR can be invoked by any authorised member of the customer's staff as no technical knowledge is required.
- Cost effective - exceptional protection is provided for an affordable price through the use of automation and unique technology.