Redstor's InstantData™

Streamed, on-demand access to all data

The Challenge

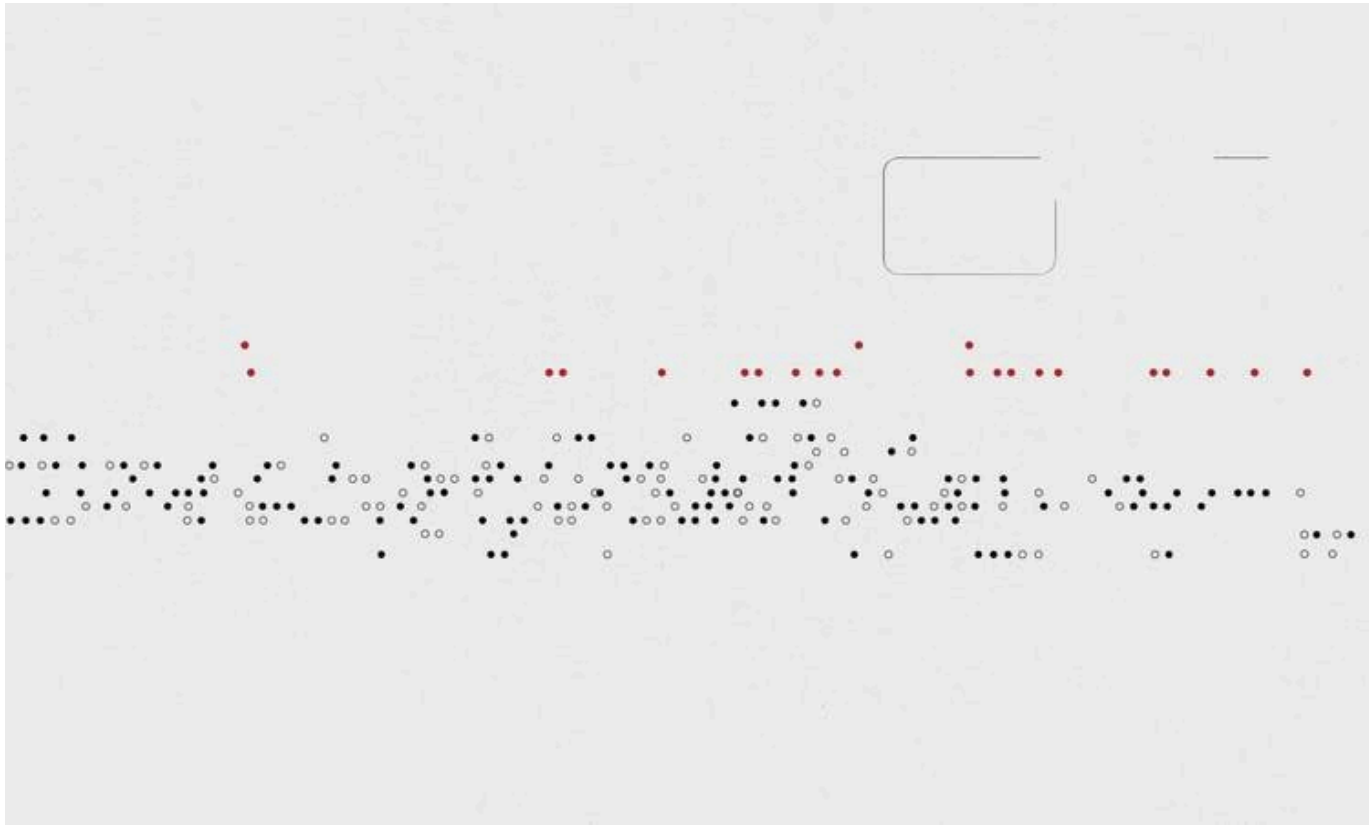
Hardware failure, malware and ransomware attacks...

Should an organisation suffer a hardware failure, a malware or ransomware attack, or any other issue, employees are able to continue working seamlessly.

Traditional recovery methods from a backup server require the restoration of a full server before it is possible to access a single file, potentially taking hours.
However, with Redstor's unique, user-driven streaming technology, organisations don't need to wait for a full recovery.
At the click of a button, InstantData™ gets users up and running within seconds, not days.

While the rest of the organisation's data is restored behind the scenes, users can start accessing the files that they need immediately, seamlessly streaming data on demand.

By recovering massive systems seemingly in moments, Redstor enables businesses to easily meet Recovery Time Objectives.



InstantData™ allows organisations to:

- Restore data to its original location or a new location of choice quickly and easily.
- Complete ad-hoc file recoveries or full system restores at any time and as often as required, at no additional charge.
- Make auditing and integrity checks incredibly easy.
- Rest assured, knowing that data is always available, instantly.

How it works

Stream what you need, when you need it

InstantData™ creates sparse files in an organisation's file system when a recovery is initiated, giving the user the experience of immediate availability.

These sparse files are initially empty and are re-hydrated on demand. Less-important data is then recovered in the background.

InstantData™ achieves this using a bespoke kernel driver which intercepts read requests from the operating system.

The driver intelligently services read requests, either from a local disk or from the cloud, depending on where the data resides.
The user experience is seamless, enabling access to data as if it were all stored on local disk.

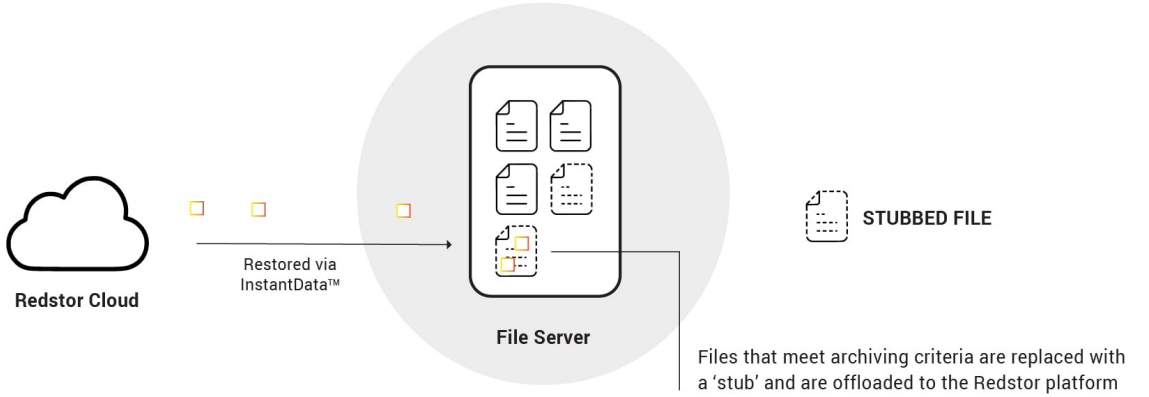
InstantData™ also underpins Redstor's archiving service, enabling customers to remove redundant, obsolete and trivial (ROT) data from primary storage.

A policy engine identifies infrequently accessed files and replaces them with sparse files, providing a saving in primary storage investment, with no change to the user experience.

Once files are accessed they are immediately streamed back to the user by InstantData™.

Organisations also use InstantData™ to move data between platforms without downtime.

Users are able to access data easily while the migration occurs in the background.



It’s as easy as a few clicks

Choose a recovery option. In each instance, InstantData™ will connect you securely to your data.

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1. Gain temporary access to files

Access your backups on a virtual drive which is created temporarily. Simply use Windows Explorer to browse to the file you need and double-click to open it. It works just like accessing files on a network drive.

2. Permanently recover your files

Drag and drop the required files from the InstantData™ browser to Windows Explorer and start using them immediately. InstantData™ will restore the bits that you use first while doing the rest in the background.

3. Fully recover an entire system

Redstor will back up a physical or virtual system and recover it directly into VMware – even if it has been running in a different hypervisor.

N.B. Since InstantData™ is a supplementary measure to recovering from a disaster, we recommend testing all disaster recovery steps before implementing them.

Thank you for reading

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