Redstor backup & recovery

Datasheet

Redstor protects an entire infrastructure,

whether it is physical, virtualised or in the cloud.

# Organisations can quickly and easily restore data to its original location or a new location.

Streamed, on-demand access to all data enables organisations to meet Recovery Time Objectives easily – and radically reduces the devastating effects of security incidents, data breaches and hardware failures.

Redstor's unique technology helps more than 40,000 customers around the world:

- Simplify the task of backing up critical business data and systems
- Restore data on demand and instantly in the event of an issue

Our pioneering data management service offers more than just backup and recovery. It also includes:

- **Archiving**
- **Disaster Recovery**
- **Search & Insight**

Single control centre

Disaster Recovery

Backup & Recovery

Search & Insight

Archiving

Data Migration
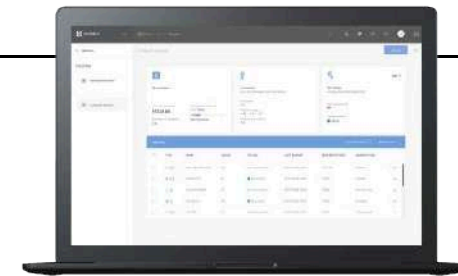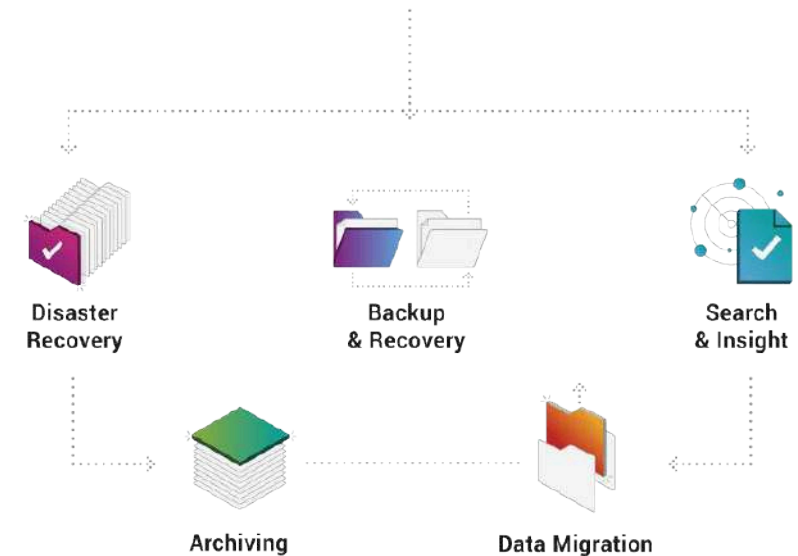
See the future of data management. Now.

No need to wait - start protecting your data today and see how fast and easy it is to manage

Compare Redstor now with any existing data management solution you may have

Speed - Set up, trial and scale fast - what may have taken days in the past, now takes hours. No hardware, no professional services costs, no management overhead, no complex licensing models.

Control – A powerful, self-service portal leaves you free to deploy, manage and scale backup and recovery quickly and easily (24/7 support remains on hand if required).

Value - With a 4-in-1 offering and competitive pricing, Redstor offers best value for money in the marketplace. When you pay for backup and recovery, you also get archiving, DR and Search and Insight - to help with compliance - and it's all included in the price.

Smart – If you decide to protect Microsoft 365 or G Suite data too, you can view and manage cloud and on-prem data in the same place, saving on time and operational overheads.

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Protect

Fully customisable and seamlessly scalable, Redstor supports a wide range of operating systems and applications

Fully customisable and seamlessly scalable, Redstor supports a wide range of operating systems and applications, running on servers, desktops and virtual machines.

Operating systems:

- Windows 2008 R2 and above, Windows 8.1 and above (plus legacy support for Windows 2003, Windows XP)
- Wide range of Linux distributions e.g Red Hat, Ubuntu, Centos
- Mac OS Catalina 10.15 onwards

Applications (on prem):

- Microsoft SQL (2008 R2 onwards)
- Exchange (2010 onwards)
- Capita SIMS, FMS + Discover (for education)
- Integrates with native operating system features like VSS and the Backup Operator API for reliable, application-consistent protection
- Script plug-in support for bespoke applications and databases e.g. MySQL and PostgreSQL

Cloud to cloud

- Microsoft 365 - OneDrive, SharePoint, Exchange, Teams

A diverse backup strategy is vital, not least for compliance purposes, if an organisation is to avoid being wholly dependent on a single cloud vendor.

Redstor allows you to:

- **Retain control of data and act immediately in event of disaster rather than rely on help to recover lost data**
- **Recover directly back to Microsoft 365 and G Suite, providing protection against human error, hackers and short-term retention policies that are difficult to track**
- **Access all data – even after a user has been removed from Active Directory**
- **Migrate from one cloud service provider to another seamlessly**
- **Address e-discovery requirements and General Data Protection Regulation compliance**

- G Suite - Google Drive, Gmail

Network Attached Storage (NAS):

- No additional licensing
- Supported via UNC, irrespective of vendor e.g NetApp, Synology, Dell EMC

Hardware

Physical

- Laptops, work stations, servers – all supported on a single client

Virtual machines (guest-based backup)

- VMware
- HyperV
- VirtualBox
- XenServer
- Acropolis (AHV)

Hyperscale cloud (guest-based backup)

- Azure

Redstor is a cloud-first data management solution that protects data stored on-prem, in the cloud or in a hybrid environment.

- AWS
- GCP

Installation

- Deploy a device in just a few minutes
- Easily repeatable across site(s)
- Option to have initial backup seeded (all included as part of service)

Synthetic full backup

- After the first, full backup, every subsequent backup is obtained adopting a forever incremental approach (only unique differences since last backup are sent)

Security and data privacy

- Everything encrypted at source, using AES256 (GCM) encryption, and further protected using 128-bit SSL/TLS ciphers during transmission
- Data is sent over 128bit encrypted tunnel to Redstor's data centres
- Encryption key is unique to every client, chosen and known only by customer
- Redstor are ISO 9001 (quality management) and ISO 27001 (information security) certified

Option of local copy

- For hybrid deployment, negating need for bespoke hardware appliances
- Available on local disk or network share for LAN speed recoveries
- Configurable local retention independent of the cloud copy
- Not on the critical path for increased resiliency and availability of data

Data centres

- Partners include Equinix, Internet Solutions, Teraco and Everest
- Data continuously mirrored from primary centre to secondary centre with seamless failover
- Enterprise-grade infrastructure with high levels of redundancy
- Connections include peering fabric of LINX, one of largest metro area internet exchanges in Europe
- Border Gateway Protocol allows Redstor to peer seamlessly with the internet
- On-net connectivity to more than 130 data centres globally
- Guaranteed data sovereignty and geographically local services
- Partnership with multiple carriers provides dense reach throughout the world.
- 24 x 7 x 365 security, including doors secured with biometric hand geometry readers
- Data centres have fuel onsite to provide 24 to 48 hours of emergency power, using backup generators, and Redstor has guaranteed fuel-delivery contracts to replenish those supplies.

Manage

Simple, easy management from one single control centre

Full, policy-driven automation

- Schedule frequency – e.g specific days, each day, multiple times per day
- Customer option to throttle bandwidth to minimise impact on network

Backup exclusions and profiling

- Set policies against multiple devices (avoid backing up anything that is not regarded as important e.g. users' MP3 files)

Single console

- Manage backups and restores for all devices centrally through one intuitive interface
- Borderless visibility across entire data set
- Users can create schedules, adjust retention policies, configure bandwidth usage

Enterprise reporting

- Customised reporting to evidence compliance, carry out auditing easily
- Full suite of predefined reports that can be run ad-hoc
- Set automatic email notifications for single or multiple recipients
- Schedule client-side reports in backup client
- Customers with larger estates able to use platform reports if more convenient

Flexible retention

- Configure retention periods and archive to suit organisation and comply with legal requirements e.g 60 days of daily incremental backups plus monthly backups going back seven years

Transparent and predictable pricing

- Customer only charged for amount of data Redstor protects, NOT what Redstor ends up storing e.g customer protects 10TB, after nine months incremental backups account for extra 1TB, but customer still only pays for 10TB

Extremely bandwidth efficient

- Options of client-side and platform-side compression and deduplication
- Use of binary or block-level patching techniques together with compression and client-side deduplication ensures extremely high levels of efficiency, radically reducing costs
- Redstor detects when connection is metered, allowing customer to avoid transmitting any data over expensive network
- Disruptions in process can be resumed from the last byte sent, eliminating need to re-transmit partially transferred files
- Intelligent streaming backup technology significantly reduces required local disk usage, to as little as 0.01% of the data selected for backup
- Service can be used with a connection as low as 1Mb/s

Recover

Whether it's ad-hoc file recoveries or full system restores, Redstor ensures business-critical data is always available instantly, and at no extra charge.

InstantData™

Whether it's ad-hoc file recoveries or full system restores, Redstor ensures business-critical data is always available instantly, and at no extra charge. Restores can be carried out from anywhere, at any time to wherever is required.

Permanent

- Recover files directly to server when disaster strikes, ending downtime
- Gain immediate access to any backed-up files and start working on them without delay
- Stream business-critical data from any location
- While rest of data is restored behind the scenes, users can start accessing the files that they need immediately
- Write new data to files while they restore
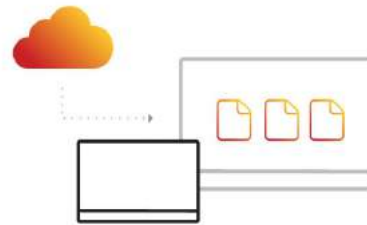
Temporary access

- Data browsable through Windows Explorer (access data as if it were located on a local drive)
- Drill down to various backup dates
- Open files directly or "drag and drop" from InstantData™ drive to location of choice (removing complexity from operational restores)
- Seamlessly restore blocks of data rapidly and on demand (only what you're accessing gets streamed)

Full System Recovery

- Automate recovery of systems (taking stress and complexity out of disaster recovery)
- Remove operational complexity of recovering lost server by reassembling physical or virtual system directly for use in VMware, Hyper V and Azure
- Bare-metal recovery to similar hardware

Customers also have the ability to recover files, folders, Exchange, SQL, 365 and G Suite data etc through the client interface. Those restores can all be instigated through the management console.

Snapshot exports, containing all customers' backed up data, can also be provided where requested.

Demo videos

redstor™

Backup selections

Data recovery

Recovery with InstantData

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Brochures and datasheets

Links to brochures

Archiving brochure

Disaster recovery brochure
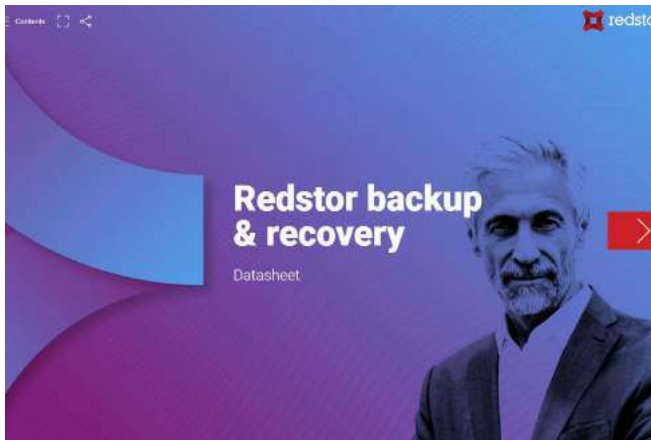

Microsoft 365 brochure

Backup and recovery brochure

G Suite brochure

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Links to datasheets

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G Suite datasheet

Microsoft 365 datasheet

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About Redstor

Data Management for an On-Demand World.

Data management for an on-demand world. Take it as Red.

We are disrupting the world of data management with our pioneering technology, which provides borderless visibility and on-demand access to all your data, wherever it is stored, through a single control centre. Trusted by more than 40,000 clients and 350 partners, we use our proven, industry-leading technology to help you discover, analyse, control and protect your critical data.

TRY FOR FREE

Redstor is available worldwide through a network of resellers. For further information please visit www.redstor.com

Thank you for reading

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