Backup and Recovery for infrastructure and machines

Mitigate the devastating effects of data loss with smarter backup for physical, virtualized or cloud infrastructure as well as desktops and laptops.

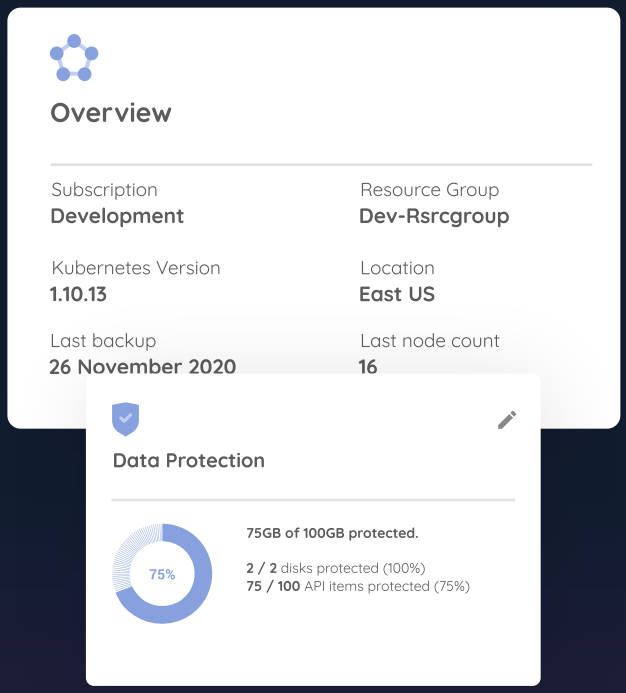
Simplify the protection of your systems and ensure critical business data is available when you need it.

Simpler management, stronger security, faster recovery

With Redstor you get same-day protection, smarter management, lightning-fast recovery, AI-powered malware detection and removal, and data tagging for improved data-risk management.

Cloud-first backup with zero hardware

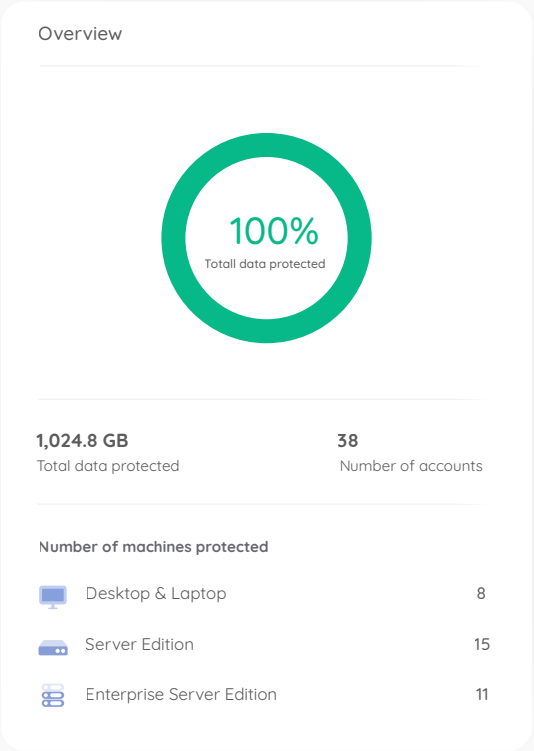
Back up your systems to the cloud and recover them to a different physical machine or a Hyper-V or VMware virtual machine. Choose between restoring the whole system, the system state, or full bare metal. With Redstor, your data is backed up to two cloud locations, with an optional local copy available free of charge.



Recover instantly

Traditional infrastructure backup technologies require users to wait for full systems and files to be recovered before users are able to access the data. Redstor is the only cloud-first backup technology that delivers on-demand recovery of any file in an instant.

Our unique InstantData™ technology breaks the time barrier, enabling users to get back to work, accessing files straight away, while the recovery completes in the background.

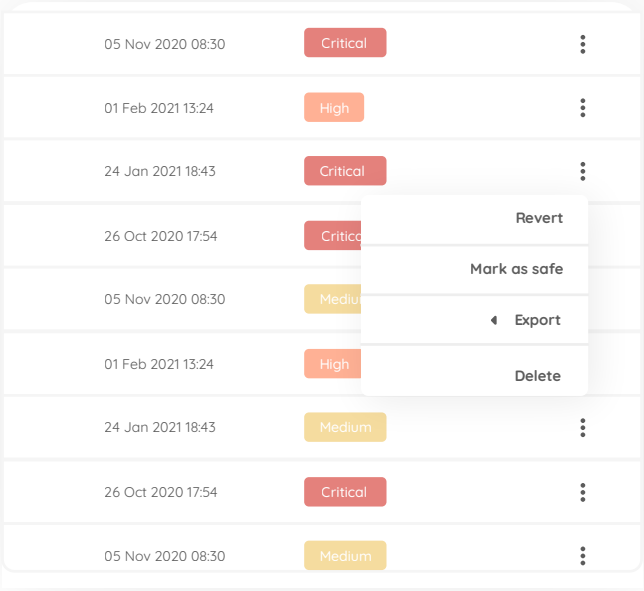


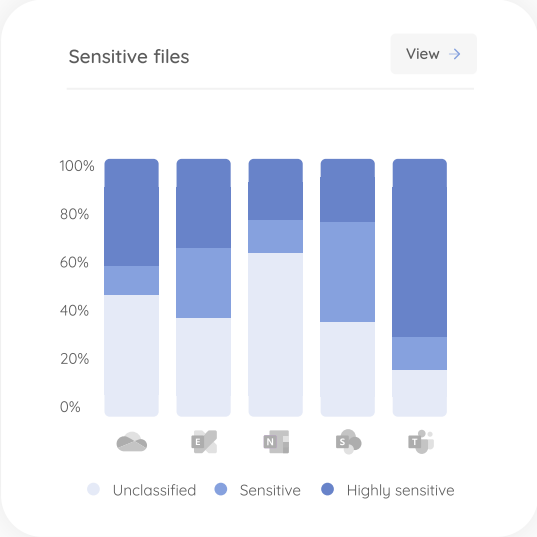
Centralised management, from anywhere

Redstor minimizes management overheads with a single app to protect all company sites and remote user devices. If you decide to protect Microsoft 365 or Google Workspace with Redstor too, you can view and manage cloud and on-prem data in the same place, saving on time and operational overheads. Unlike many competing solutions, there are no separate logins or interfaces. With the broadest coverage of data sources through a single app, all set up in under 60 seconds, managing and protecting an organization's entire data estate could not be easier.

Ensure malware-free recoveries

Outsmart cyber-criminals by neutralizing suspicious files before they become attacks. Unlike many other cloud backup providers, Redstor's automated AI-powered malware detection technology scans data at point of backup and not at point of recovery, by which time it can be too late. Our proprietary, smart, machine-learning model isolates suspicious files for review, constantly improving its accuracy, based on shared community insights. This provides enhanced protection against 'zero-day' threats and leaves you free to recover malware-free. There is nothing to configure, install or upgrade and the feature is included by default, at no extra cost.





Automatically tag sensitive data

AI woven into Redstor's app automatically identifies whether backed up data should be classed as highly sensitive or sensitive, enabling management of the concentration and exposure of sensitive data, facilitating protecting it more effectively – again, for no additional charge.

Recovery flexibility

Flexible recovery options ensure data can be restored to, and accessed from, any location, either locally or in the cloud. In just a few clicks, you can set policies, add additional workloads, define user access, and exclude data with no business value, defining and managing your data protection needs in minutes.
Time spent managing backups is minimized through intelligent automation and error handling, freeing up your time for more strategic tasks. Simply set and forget and manage by exception.

Quick and effortless recovery

Redstor's data streaming technology allows you to recover massive systems in moments. When you initiate a recovery, InstantData™ creates sparse files of all your data in a location of your choosing, making backup data accessible immediately. Files accessed by users are instantly prioritized and rehydrated on demand, while less critical data is recovered seamlessly in the background.

Whether it's ad-hoc file recoveries or full system restores, Redstor ensures business-critical data is always available instantly, and without recovery fees. Restores can be carried out from anywhere, at any time, to any location desired.

THERE ARE SEVERAL RECOVERY OPTIONS:

Full System Recovery

- Automate recovery of systems, taking the stress and complexity out of disaster recovery
- Remove the operational complexity associated with recovering lost servers by reassembling physical or virtual systems directly for use in VMware, Hyper-V and Azure
- Perform bare-metal recovery to similar hardware

Permanent

• Recover files directly to a 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

• Start accessing whatever files are needed immediately, while rest of data is restored seamlessly behind the scenes

• Write new data to files while they restore

Temporary access

• Browse data through Windows Explorer, accessing files as if they 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 for rapid access, avoiding the typical complexity of operational restores

• Restore blocks of data seamlessly on demand - with only what a user accesses being streamed

Immutable as standard

As a cloud backup provider, Redstor stores all data in an offline state which is fixed, unchangeable and cannot be deleted. All backups are separate and cannot impact each other, following best practice recommendations.



Archiving at no extra cost

Included in Redstor’s service at no extra cost is simple-to-manage, highly scalable, long-term cloud archiving as a service – enabling you to extend the life and improve the ROI of expensive primary storage by offloading rarely accessed data to the cloud.

Hosted in Redstor’s secure data centers, your archived data can be streamed instantly and on demand, using our InstantData™ technology.

What's protected with Redstor

Fully customizable 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

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

• 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)
• Wide range of Linux distributions e.g Red Hat, Ubuntu, Centos

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 centers
• Encryption key is unique to every client, chosen and known only by customer
• Redstor is HIPAA (Health Insurance Portability and Accountability Act) and AICPA (American Institute of Certified Public Accountants) SOC (System and Organization Controls) compliant, as well as certified for ISO 9001 (quality management), ISO 27001 (information security), ISO 27001 (information security management), ISO 9001 (quality management) and ISO 2230 (business continuity management)

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

• Data continuously mirrored from primary center to secondary center with seamless failover
• Enterprise-grade infrastructure with high levels of redundancy
• Border Gateway Protocol allows Redstor to peer seamlessly with the internet
• On-net connectivity to more than 130 data centers 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

Full, policy-driven automation

• Schedule frequency – e.g specific days, each day, multiple times per day
• Customer option to throttle bandwidth to minimize 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 app

• Manage backups and restores for all devices centrally through a single app

Manage entire data set

• Users can create schedules, adjust retention policies, configure bandwidth usage

Enterprise reporting

• Customized 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 organization 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