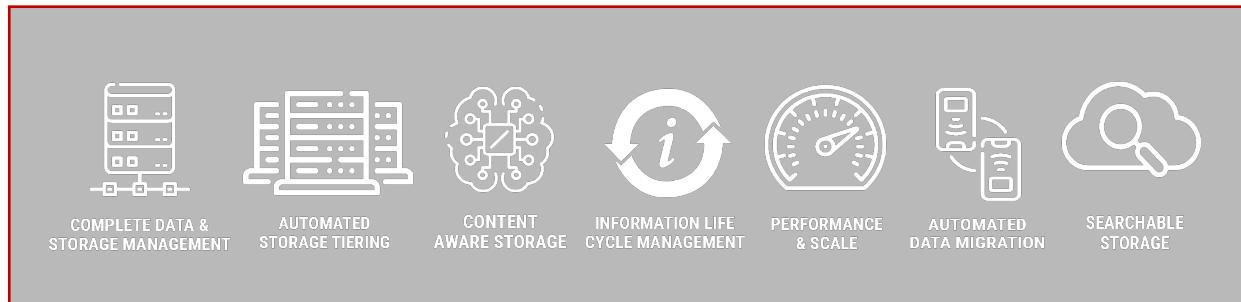


Open Archive: A Low-Cost and Scalable Solution for Data Protection

RedData's Open Archive is a software-defined storage (SDS) solution that simplifies data lifecycle management. It utilizes transparent tiering to automatically move inactive data to a lower-cost archive, integrating directly with file systems and backup solutions for optimal storage efficiency.



The RedData Open Archive extends non-proprietary primary filesystems with additional data protection capabilities to safeguard all data.

1. Ongoing Data Protection for all files with no need for a backup window or snapshot frequency as all files are copied and archived on file save or close. User-defined policies define the number of file versions to maintain or sets file immutability, supporting file or file system recovery to any point-in-time or to another location, almost instantly, even with millions of files.
2. Enterprise class Data Catalog Services with an extensive metadata model for searching of all files from any attached client. The Catalog provides a central repository of all connected and distributed data sources (creating a single global namespace), allowing you to search through files out of band, and optionally to export the results in csv or json file formats. Filesystem metadata is always available via the Catalog for any connected clients without the need for access to the actual data file, avoiding extra file operations and unneeded data transfers.
3. Extensible file metadata model supports enhanced data orchestration or data processing pipeline optimization. Alongside standard metadata attributes provided by the primary filesystem, the system supports storage and search of additional metadata. This model allows for applications to efficiently locate any data using advanced query capabilities that include the additional metadata attributes.
4. Automated Storage Tiering provides a scalable active/cold archive storage platform that connects to a variety of storage services. The system supports object stores, cloud storage, and multiple kinds of storage media and works natively with tape technology for legacy storage compatibility.
5. Additionally, the system supports Zoned Storage devices, providing incremental storage via automatic device and volume management, optional inline compression and encryption, erasure coding as well as volume grouping of erasure encoded zones across clusters of storage devices. When combined with RedData's ZeroWatt power-saving technology, individual storage devices are powered down as much as possible for optimal power and cost savings.
6. An administrator Graphical User Interface and command-line toolset are available to create policy driven operations for data pools, storage media, and archive rule sets.



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Open Archive is available as RedData Open Archive Manager: a software-only solution for OEM's or installation on existing hardware (using RedData's Professional Services), or as RedData Open Archive Appliance: an integrated and tested hardware solution, available in multiple configurations and storage capacities.

For more information on RedData's Open Archive please contact us: inquiries@rpics.com.