

Acronis Storage

Fast, Universal Software-Defined Storage Includes Acronis CloudRAID™ and Acronis Notary™ With Blockchain

Thanks to the increasing adoption of cloud services, the SDS market generated \$4.58 billion in revenue in 2015, and is expected to grow at a 20.8 percent compound annual growth rate (CAGR) to \$9.09 billion in 2019. This market growth offers Acronis partners an excellent opportunity to expand their solution portfolio and total addressable market (TAM) with Acronis Storage.

WHY CHOOSE ACRONIS STORAGE?

As a software-defined storage solution, Acronis Storage with Acronis CloudRAID™ and Acronis Notary™ with blockchain delivers on the promise for fast, universal, safe, efficient, proven storage that unites block, file, and object workloads. It transforms the storage landscape by slashing storage costs so service providers or other businesses can:

- Implement the most cost-effective, feature-rich storage services — utilize your own or any third-party storage device
- Eliminate expensive brand-name storage hardware — use any commodity components you choose
- Lower the costs associated with complex storage management — Acronis Storage is easy to deploy and manage, freeing up IT time for other tasks

Best yet, Acronis Storage expands on the definition of “data protection” by

incorporating Acronis CloudRAID™ and Acronis Notary™ with blockchain so you can ensure data immutability and authenticity and preserve key data and sensitive documents.

With Acronis Storage, you can meet the requirements of your own business or expand your product portfolio with a fast and universal storage solution that supports block, file and object, hot or cold data. Flexible licensing reduces the barriers to entry and helps you better match costs to revenue generation. The bottom line — with Acronis Storage, you will capture more customers, improve your profitability, grow your business, and meet — even exceed — Service Level Agreements with a highly available solution and zero data loss.

Fast. Optimized for High Performance and Data Availability

Acronis Storage incorporates state-of-the-art features to improve performance and high availability:

- Stripe or divide data into chunks to maximize throughput
- Move hot data to faster or less-utilized disks to increase recovery performance
- Achieve fast and sustainable read speeds with SSD journaling and caching
- Enhance reliability and protection from failures with erasure-coding
- Safeguard data integrity with a fully redundant architecture

BENEFITS

Up to 5x faster than Ceph to improve application performance and data accessibility

Unites block, file, and object data to support all data and workloads

Works with heterogeneous hardware to lower costs

Includes Acronis CloudRAID so you never lose data

Incorporates blockchain technology to enable immutable and data authenticity

Improves IT productivity with agile implementation, deployment, and maintenance

Scales to grow with your business

Used for 5+ years in Acronis Cloud Data Centers

Endorsed by customers who have trusted 50 PB+ of their data to Acronis

Universal. Architected to Support Any Workload and Data Type

Acronis Storage's universal design supports many workloads, use cases, storage types, and APIs including:

- Shared file storage, backups, virtual infrastructures, and shared hosting services
- iSCSI block-based storage for virtual infrastructures, databases, and other applications
- Object Storage, such as Amazon S3, which can store billions of digital objects of all sizes within applications, static websites, online services, big data, and large backups
- Integration with Acronis Backup Cloud and other Acronis solutions

Safe. Incorporates Acronis CloudRAID™ and Acronis Notary™ with Blockchain to Validate Data Immutability and Authenticity

Acronis Storage includes Acronis CloudRAID™ to manage through hardware failures and ensure you never lose data, and Acronis Notary™ to deliver verifiable data immutability. This is critical when data originality verification is important for documents such as:

- Intellectual property assets
- Property registry documents
- Medical files
- Chain-of-evidence court documents
- Long-term archiving subject to audit

Efficient. Enables Tight Control over Total Cost of Ownership (TCO)

Acronis Storage is built to maximize productivity, lower operation costs, and enable growth:

- Runs on heterogeneous hardware
- Lowers the time and attention needed to meet storage demand and load changes with smart automation and rapid GUI management
- Provides flexible licensing so you only pay for the capacity you need, when you or your customers need it

KEY FEATURES

Use Case and Workload Features

- Hot, cold, and object storage for all-in-one storage support **(NEW)**
- Block storage for virtual machines and databases
- Shared file storage for files, backups, virtual infrastructures, web hosting
- Object storage for big data, backups, application storage, static web content hosting, and online services storage **(NEW)**
- Hot data storage for virtual environments, databases, and other computers
- APIs for iSCSI, Amazon S3, and FUSE to ensure compatibility with applications and workflows
- Replication (2x-3x) and Reed-Solomon code (20%-66%) to improve storage efficiency
- SSD caching to deliver maximum performance **(NEW)**
- Hot plug for SSD/HDD to increase/decrease capacity or replace a drive without downtime **(NEW)**
- Automatic cluster rebalancing to improve performance and reliability **(NEW)**
- Auto-tiering to optimize storage efficiency **(NEW)**

Management and Infrastructure Features

- Per-workload configuration and tuning to maximize individual application performance
- Consolidated web view of Acronis Storage to improve IT productivity **(NEW)**
- ISO image for easy installation **(NEW)**

Data Protection Features

- Acronis CloudRAID™, erasure-coding and replication **(NEW)**
- Acronis Notary™ with blockchain for data authenticity verification **(NEW)**
- Flexible number of replicas to minimize chances of data loss
- Data checksumming and scrubbing to ensure data integrity

WHAT MAKES ACRONIS STORAGE UNIQUE!

- Unites file, block, and object storage into one single solution
- Optimized to work with other Acronis products to completely protect data on any physical or virtual server, hypervisor, desktop, laptop, or mobile device — anytime, anywhere
- Incorporates blockchain to validate data immutability and integrity
- Provides a cost-efficient and private storage alternative to Amazon S3 hosted storage
- Offers flexible licensing so you can choose either a CAPEX or OPEX model
- Co-exists with any storage solution to protect your current investments

Acronis

For additional information, please visit www.acronis.com

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