

Acronis Storage

Universal Software-Defined Storage for Your Data Center

Acronis Storage is a software-defined storage solution that allows you to quickly and easily transform industry-standard hardware into protected, enterprise-grade storage. Universal, cost-efficient, and scalable, Acronis Storage combines block, file, and object workloads in a single solution and is built on a proven architecture that has been protecting over 100 petabytes of production data in Acronis Data Centers for more than six years. It incorporates Acronis CloudRAID for reliable data protection and Acronis Notary with blockchain technology to ensure data integrity.

EASY

- Enjoy a high-level dashboard, detailed performance data, and individual disk and network stats in an easy-to-use GUI.
- Receive real-time alerts about issues, misconfigurations, and failures in a cluster to take immediate action.
- Upgrade the system in one click with no production impact.

UNIVERSAL

- Supports block, file, and object storage in a single solution.
- Integrates with all Acronis products.

COST-EFFICIENT

- Provides an attractive price point and flexible licensing models to reduce costs.
- Uses standard x86 hardware to lower costs even further.

SAFE

- Designed to protect against component failure and data corruption with hot, warm, and cold data using Acronis CloudRAID.
- Delivers blockchain-based file authentication for regulatory and validation purposes using Acronis Notary.
- Encrypts data at rest using AES-256 bit encryption.
- Provides object storage geo-replication, which copies data across all data centers to provide a higher level of data protection and security.
- Includes an audit log, which provides a full list of actions and detailed descriptions.

SCALABLE

- Scales from gigabytes to exabytes to allow seamless business growth.

ACRONIS STORAGE LOWERS TOTAL COST OF OWNERSHIP

- Works with industry-standard hardware to lower costs
- Improves IT productivity with agile deployment in 14 clicks
- Offers one-click system upgrades, with no impact on production systems
- Reduces disk overhead down to 17 percent with Acronis CloudRAID
- Offers an attractive price point and flexible licensing to accommodate each customer's specific business requirements

MINIMUM SYSTEM CONFIGURATION

Cluster Size: One physical node or virtual machine,
5 Nodes recommended
CPU: 2 cores
RAM: 2GB+
Disk: 3xHDDs, 100GB min.
Network: 1 Gbit Ethernet

RECOMMENDED CONFIGURATION

Cluster Size: 5+ nodes
CPU: 4+ cores
RAM: 16GB+0.5 GB per HDD
Disk: 12+ HDD/SSD per server

USE CASE AND WORKLOAD FEATURES

- **Archive, high-performance, and file storage** for all-in-one storage support
- **Acronis Backup Gateway** provides seamless integration with Acronis backup products
- **Public cloud supported for backups**, including Google Cloud, Amazon Web Services, and Microsoft Azure
- **High-performance block storage (hot data)** for virtual environments, databases, and other applications
- **Shared file storage** (warm data) for files, backups, virtual infrastructures, and web hosting
- **Object storage** for big data, archival data, backups, application storage, static web content hosting, and online services storage
- **NFS, iSCSI, Amazon S3 and Acronis Backup API** are supported to ensure compatibility with applications and workflows
- **SSD caching** to deliver maximum performance
- **Automatic cluster rebalancing** to improve performance and reliability
- **Storage tiers** to optimize storage efficiency

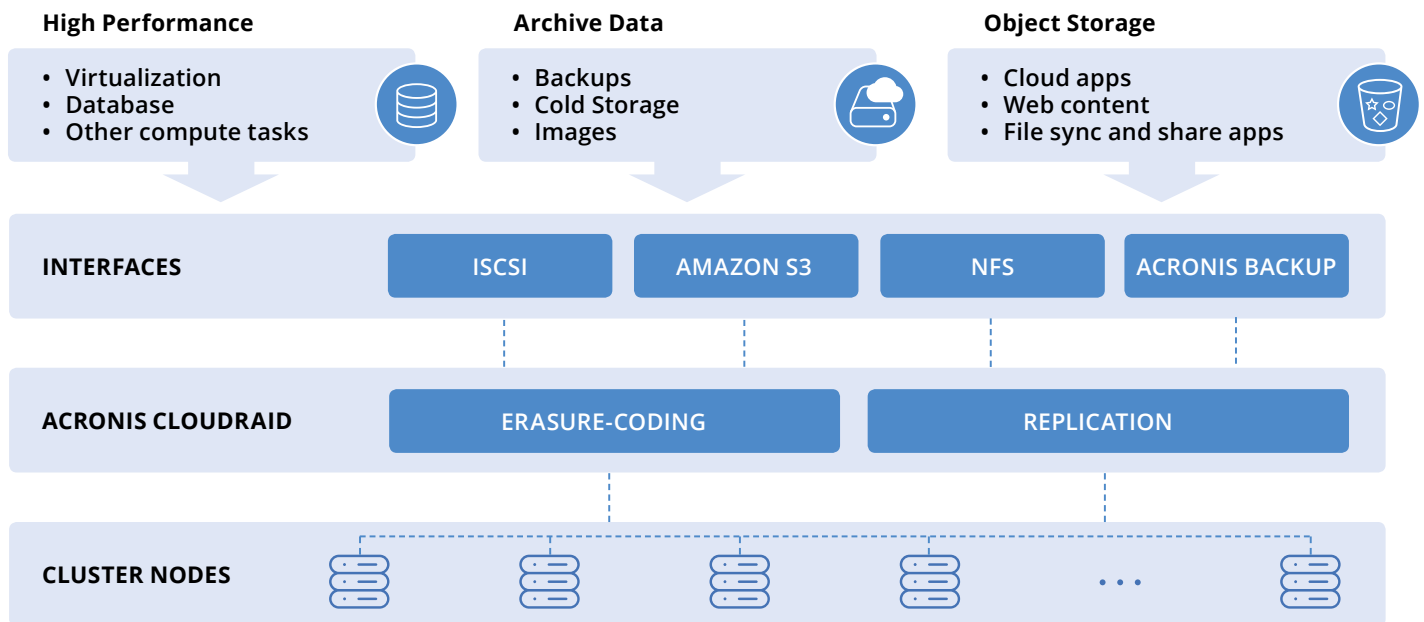
DATA PROTECTION FEATURES

- **Acronis CloudRAID** erasure-coding and replication to protect data, even when multiple nodes fail
- **Acronis Notary** for blockchain-based certification of data to guarantee data authenticity
- **Data encryption** at rest using AES-256 bit encryption
- **Object storage geo-replication** to provide data access across multiple data centers
- **Flexible number of replicas** to minimize chances of data loss
- **Data checksumming and scrubbing** to ensure data integrity

MANAGEMENT AND INFRASTRUCTURE FEATURES

- **Per-workload configuration and tuning** to maximize the performance of individual applications
- **Single-panel, secure web management interface** with role-based access to improve IT productivity
- **Audit log** to track all user actions
- **Alerts** to immediately address system issues
- Designed to **scale from gigabytes to exabytes**, allowing seamless business growth
- Non-disruptive **online expansion of nodes and disks**

ACRONIS STORAGE DATA FLOW



For additional information, please visit www.acronis.com

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