

Acronis Cyber Infrastructure 3.5

Meet modern IT demands
with a scale-out, cost-efficient, and
multi-purpose solution for the edge

ELEVATE YOUR BUSINESS BY ENABLING SEAMLESS IT OPERATIONS

Quickly and easily transform industry-standard hardware into flexible, reliable, highly-available IT infrastructure. It's never been simpler, safer, or more cost-efficient to create a universal and scalable IT infrastructure solution that provides software-defined block, file, and object storage.

WHY ACRONIS

With Acronis' highly-available solution, users can grow their business, deliver on key promises (e.g. meeting or exceeding your service-level agreements), and avoid data loss: Acronis Cyber Infrastructure is a fast and universal building-block for any software-defined data center or edge workload.

Flexible licensing reduces barriers to entry and makes it easier to balance costs with revenue generation. It can be deployed as a back-end for Acronis Cyber Files Cloud, Acronis Cyber Backup Cloud, Open-Xchange, vSphere, Hyper-V, or Microsoft Exchange deployment – or serve as shared storage for general needs like documents, graphics, and video files. For simplified management, different workloads can be run on the same cluster.

What's more, Acronis Cyber Infrastructure delivers next-gen data protection with flexible erasure coding schemes and seamless integration with Acronis Notary, which uses blockchain to ensure data immutability and authenticity, preserving essential data and sensitive documents.

BENEFITS

- Offers software-defined block, file, and object storage in a single solution, eliminating resource silos
- Allows you to build your own public or private cloud storage solutions with multi-tenancy, a self-service portal, and branding options
- Provides application-consistent snapshots of Linux and Windows VM volumes
- Works optimally with other Acronis products to completely protect data on any physical or virtual server, hypervisor, desktop, laptop, or mobile device — anytime, anywhere
- Protects your data from loss in the event of multiple hardware failures with flexible erasure coding and mirroring schemes
- Improves IT productivity with agile implementation, deployment, and maintenance
- Delivers a proven solution that has been in use for 7+ years in Acronis data centers and is trusted by customers to protect over 250 petabytes of their data

EASY**Minimize IT workloads easily using built-in management and monitoring tools:**

- Leverage an easy-to-use GUI with both a high-level dashboard and detailed performance data, including individual disk and network stats
- Ensure that systems are up and running smoothly and troubleshoot problems before they impact end-users or third-party systems
- Work seamlessly with pre-configured and customizable dashboards that provide insight into the status of the infrastructure, and customizable automated reporting that supplies the historical information you care about

UNIVERSAL**Get integrated support for many workloads, use-cases, storage types, and APIs:**

- Cover all use-cases and scenarios with software-defined block, file, and object storage all in a single solution
- Benefit from out-of-the-box support for NFS, iSCSI, Amazon S3, and the Acronis Backup API, ensuring compatibility with applications and workflows
- Deploy a system that is optimized to work with Acronis Cyber Cloud services
- Integrate seamlessly with your own billing and CRM solutions – our OpenStack compatible API makes it simple

EFFICIENT**Maximize productivity, lower operation costs, and enable growth. Acronis Cyber Infrastructure:**

- Shrinks costs by working with industry-standard hardware and pay-as-you-grow licensing
- Fits any business model with attractive pricing and flexible licensing
- Offers data protection schemes that reduce disk overhead to as low as 17%

SAFE**Protect your data with multiple advanced technologies:**

- Safeguard data even if multiple nodes fail via erasure coding and replication
- Guarantee data authenticity through seamless integration with Acronis Notary's blockchain-based certification
- Safeguard data at rest with AES-256 encryption
- Ensure data integrity by leveraging data checksumming and scrubbing
- Secure and isolate networking via VXLAN encapsulation, based on distributed virtual-switching technology

FAST**Improve performance, scalability, and high-availability with built-in state-of-the-art features:**

- Scale from terabytes to tens of petabytes for seamless business growth
- Experience up to two times faster storage than the Ceph 14.2.4 on the same hardware
- Achieve ideal hardware performance with integrated SSD caching, automatic load balancing, parallel replication, and RDMA/InfiniBand support
- Eliminate extra latency and use fast, multi-threaded I/O handling in the Linux kernel via a new fast-path approach
- Improve infrastructure availability with ReadyKernel technology, which allows you to apply hotfixes in seconds without rebooting the OS