

# Acronis Cyber Infrastructure 3.0

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

Employ smart IT infrastructure to keep business running today by quickly and easily transforming industry-standard hardware into a protected, enterprise-grade hyper-converged system. It's never been simpler, safer or more efficient to leverage a universal and scalable IT infrastructure solution that uses industry-standard hardware and combines compute, software-defined network, block, file, and object storage workloads so you can work more efficiently and profit.

## WHY ACRONIS

With Acronis' highly available solution, users can grow their business, deliver on key promises (e.g. meet/exceed 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 Files Cloud, Acronis Backup Cloud, Open-Xchange, vSphere, Hyper V, Microsoft Exchange – or serve as shared storage for general needs like documents, graphics, and video files. For simplified management, different workloads can be applied to the same cluster.

What's more, Acronis Cyber Infrastructure delivers next-gen data protection by incorporating Acronis CloudRAID and Acronis Notary with blockchain, ensuring data immutability and authenticity and preserving essential data and sensitive documents.

## BENEFITS

- Unites virtualization, software-defined network, block, file, and object storage into a single solution
- Multi-tenancy support and self-service abilities that help end-users track resources
- 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
- Ensures you never lose data with Acronis CloudRAID built-in
- Enables immutability and data authenticity by incorporating blockchain technology
- Lowers costs using industry-standard hardware
- Improves IT productivity with agile implementation, deployment, and maintenance
- Delivers a proven solution in use for 7+ years in Acronis Cloud data centers and that's 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, and 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
- Obtain detailed status information from the pre-integrated Prometheus engine and pre-configured Grafana dashboards

## UNIVERSAL

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

- Cover all use-cases and scenarios with virtualization and software-defined network, block, file, and object storage available in a single solution
- Benefit from out-of-the-box support for NFS, iSCSI, Amazon S3 and Acronis Backup API, which ensures compatibility with applications and workflows
- Deploy a system that is optimized to work with Acronis Data Cloud's suite of products
- Integrates seamlessly with billing and CRM solutions – an OpenStack compatible API makes it simple

## EFFICIENT

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

- Shrinks costs working with industry-standard hardware
- Fits any business model with attractive pricing and flexible licensing
- Reduces disk overhead as low as 17 percent with Acronis CloudRAID

## SAFE

### Ensure you never lose data with multiple advanced technologies at work:

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

## FAST

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

- Scale from terabytes to tens of petabytes for seamless business growth
- Experience up to five times faster storage than the Ceph on the same hardware
- Achieve ideal hardware performance with integrated SSD caching, automatic load balancing, parallel replication, and RDMA/InfiniBand support
- Run Windows servers as guests in a virtual environment with high-performance drivers that ensure top-speed performance
- Set storage policies and redundancy options for each virtual machine
- Eliminate extra latency and use fast multi-threaded I/O handling in the Linux kernel via new fast-path approach
- Access block storage quickly with iSCSI/Fibre Channel support
- Get more nines with ReadyKernel technology that allows you to apply hotfixes in seconds, without rebooting OS