



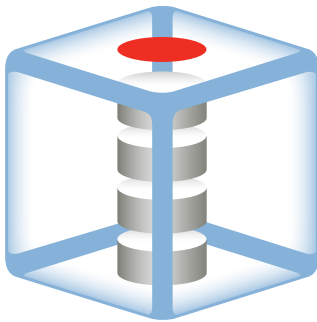
content storage simplified

Product Brief

Simple, Affordable and Massively Scalable Storage Software

In the midst of the Information Age we face the reality that ever more digital content is being created, stored and distributed, and there's no end in sight. With as much as 90% of that data being unstructured, such as documents, spreadsheets, images and the like, storage as usual will not suffice in this new reality as organizations demand simpler, more affordable, scalable and reliable storage for digital content. The increasing demand requires a scale-out architecture that delivers infrastructure that supports private and public storage clouds and can seamlessly scale to meet evolving business needs.

There is a better way.



CAStor™

CAStor™ Content Storage

Innovation in storage for digital content

Organizations are challenged to effectively and efficiently store, protect and retain information at significant scale. Customers demand continuous availability and accessibility using commodity hardware that can easily be upgraded and replaced. They also require the simplicity of management and administration to minimize the cost of operations and better use scarce IT resources. Caringo designed CAStor to meet these unique requirements.

The Business Benefits of CAStor

Investment Protection

Seamlessly upgrade hardware at your own pace without the expense of costly data migration to new storage platforms.

Cost-effective Scaling

Increase capacity from Terabytes to Petabytes with no downtime ensuring continuous data availability and accessibility.

Operational Efficiency

Reduce management and administrative costs with self-managing and self-healing storage clusters. Eliminates the need for backup and minimizes maintenance windows.

High Performance Object Storage

Easily handles the workload for both large and small files with speed enabling tens of thousands of writes per second and throughput up to a Gigabyte per second.

Assured Data Protection

Replicate to a local cluster or across distance for disaster recovery, failover and business continuance. On-going integrity checking eliminates data loss due to degradation on the disk.

Meet compliance and archiving requirements

CAStor provides a WORM storage environment ensuring data integrity, authenticity, protection and retention.

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Innovation in storage for digital content

Architecture Features and Benefits

The CAStor software enables implementation of object-based storage clusters at any scale using off-the-shelf, commodity server hardware. It delivers an overall lower cost of ownership from acquisition and across operations as companies must work within greater budgetary constraints.

Software-only, Hardware Agnostic

CAStor runs on standard server hardware without lock-in to a specific vendor

Virtual Storage Nodes

Run multiple virtual CAStor nodes in a single multi-core server. Allocate individual drives to each virtual node and leverage high-density server technology

Open-Standard Interfaces

Native access is provided using HTTP and standard file access is supported with CAStor CFS (Content File Server)

Massively Scalable Storage Cluster

Store billions of files in a single address space in a single cluster that can scale to Petabytes of capacity

Symmetric Architecture

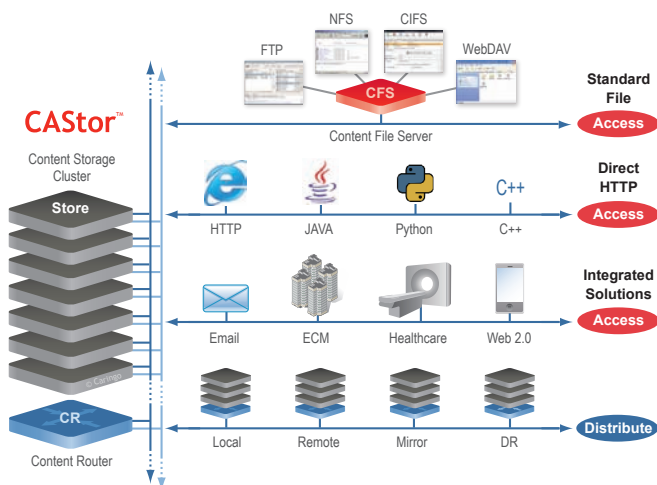
All nodes offer all functions. No bottlenecks or special purpose nodes. Delivers continuous data access and flexible reconfiguration on the fly.

Self-managing, Self-healing cluster

CAStor clusters automatically recover from failed disks and/or nodes minimizing administrative effort

Local and Wide Area Replication

Built-in replication over local area networks within a building or campus. Intelligent and flexible distribution/replication over distance for disaster recovery provided by the CAStor Content Router



ILM/Compliance Features and Benefits

Content Integrity Seal

Establishes authenticity of a content object that is managed by the application requesting a seal

Patented Transparently Upgradeable Hash

Seamlessly upgrade the hash algorithm to a stronger or newer algorithm if the original risks being compromised such as occurred with MD-5 and SHA-1. No impact to applications or data availability.

Object-Level Retention

Set retention time on a per object basis to ensure it remains available and unchanged until expiration

WORM Storage

Once a file or object is written to CAStor it cannot be changed. Addresses regulatory compliance and governance mandates such as SEC 17a4, SoX, and HIPAA.

Management Features and Benefits

Browser-based Management Console

Manage, monitor and control the entire cluster from any node through a simple browser interface. Managing CAStor cluster is easy whether it's at a 10TB, 100TB or 1PB scale

SNMP Support

Monitor and manage clusters with other commercial network management systems, e.g. CA Unicenter, HP Openview, IBM Tivoli.

Recommended Hardware Requirements

CAStor™ runs on a cluster with a minimum of three(3) nodes.

CPU	64-bit, Intel Xeon, AMD Athlon64, or equivalent
Hard Drive	Standard SATA with 1 or more drives per node
Memory	1GB RAM per disk drive
Network Interface	Dual Gigabit Ethernet

E-mail info@caringo.com or visit www.caringo.com for additional information on our company and our products.

Caringo, Inc.

901 South MoPac Expressway
Building 2, Suite 410
Austin, Texas 78746