

The World's Fastest-Growing Open-Source Distributed Object Storage

Built for AI/ML Pipelines

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11,243

GITHUB STARS

537

GITHUB FORKS

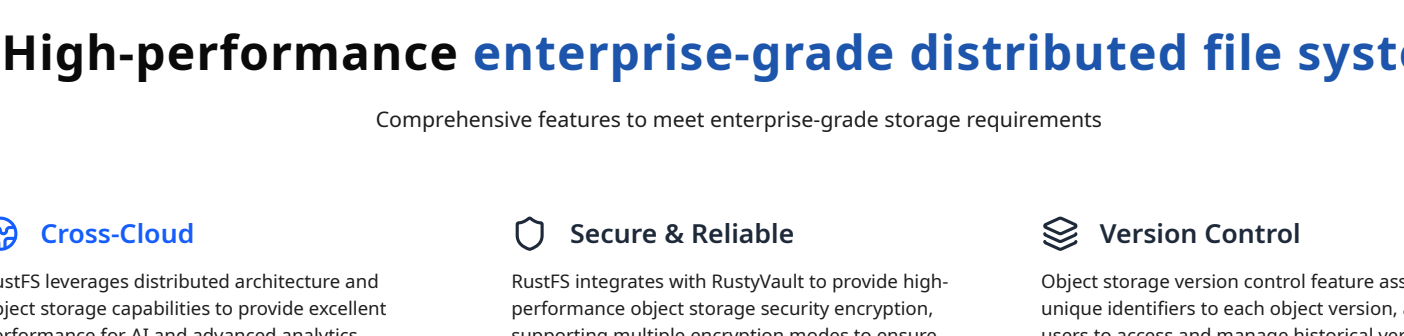
1,899

REPO COMMITS

152,261

DOCKER PULLS

Trusted by the open-source community / Enterprise-grade open source solution compatible with over 1,500+ applications and integrations



High-performance enterprise-grade distributed file system

Comprehensive features to meet enterprise-grade storage requirements

Cross-Cloud

RustFS leverages distributed architecture and object storage capabilities to provide excellent performance for AI and advanced analytics workloads, supporting data scaling from TB to EB levels.

Secure & Reliable

RustFS integrates with RustyVault to provide high-performance object storage security encryption, supporting multiple encryption modes to ensure data security and transparency.

Version Control

Object storage version control feature assigns unique identifiers to each object version, allowing users to access and manage historical versions through APIs or management interfaces.

Limitless Scalability

RustFS system automatically balances node loads, ensures even data distribution, supports dynamic addition or removal of resources based on storage needs, achieving Limitless Scalability.

WORM Compliance

Supports object locking mode, implementing WORM (Write Once, Read Many) functionality, preventing data from being modified or deleted within specified time ranges, ensuring data integrity.

Active Replication

Automatically creates multiple copies when objects are written and distributes them to different nodes, supports synchronous and asynchronous replication modes, providing high availability and disaster recovery capabilities.

Cross-Cloud

Cross-cloud redundancy mitigates single-provider failures and ensures business continuity.. You can use RustFS as a communication tool across clouds. We support bucket-level granular execution, which is used in the following scenarios:

Active-active cross-region/availability zone replication

Legal hold, governance and compliance

FINRA Rule 4511 and CFTC regulations

"RustFS's Cross-cloud redundancy mitigates single-provider failures and ensures business continuity."

Adrian Miller

CTO

Powerful Performance, Outstanding Security

RustFS provides high performance, high security, high concurrency, providing powerful support for your business

92%

+7% Read/Write Speed

High security and high concurrency performance improvements from Rust

99.99%

Data Read/Write Success Rate

100%

S3 Compatibility

95%

User Satisfaction

0

Intellectual Property Risk

~1 day

GitHub Issues Average Resolution Time

1000+

GitHub Commits

RustFS vs. The Competition

Choose RustFS for more advantages

Other object storage

- Memory-safe Architecture (Built with Rust)

×
- Data Sovereignty & Local Compliance

×
- AGPL V3 licensing issues

×
- Inconsistent S3 compatibility across other providers

×
- Limited Platform Compatibility

×
- Annual price hikes up to millions

×

✓Memory-safe Rust development

✓No foreign logging

✓Business-friendly Apache license

✓Full S3 support for global clouds

✓Extensive Multi-Architecture Support

✓Stable pricing and support

Best choice

* Comparison for reference only

True Multi-Cloud Storage

Multi-cloud object storage allows enterprises to build AWS S3-compatible data infrastructure on any cloud. The result is a consistent, portable interface for data and applications - meaning you can run anywhere, from edge to public cloud, without changing a line of code.

Free Consultation

Public Cloud

RustFS is powered by Kubernetes and provides scalable, secure, S3-compatible object storage for every public cloud. Free yourself from vendor lock-in and treat clouds for what they are - commodity compute, network, and drives.

Private Cloud

From OpenShift to Tanzu, RustFS is the only object storage that is part of the infrastructure foundation of leading Kubernetes distributions. With its massive portfolio of integrated applications, RustFS completes the software-defined picture.

Edge

The complete RustFS multi-cloud storage binary is less than 100MB, capable of powering object storage anywhere - from ARM SOCs, 5G POPs, and edge cache devices to mini data centers. This is why RustFS dominates the edge storage market.

What customers say about RustFS

Exquisite service, professional team, providing you with the best service

high, and features are comprehensive. During use, it feels very smooth, bringing much convenience to my work and life, will always support it.

Henry Dawson

Administrative Specialist

RustFS is a game-changer... It performs excellently, processes data at blazing speeds, and greatly improves my work efficiency. Its security also provides reliable security, no need to worry about data leaks. The features are

Experience RustFS

High security, high concurrency and ultimate performance

100+

Over 100+ enterprise users have started using RustFS

Free Consultation

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RustFS helm chart is available on artifachub

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