



RustFS has an authorization bypass in multipart UploadPartCopy enables cross-bucket object exfiltration

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2026-39360
State	PUBLISHED
Assigner	GitHub_M
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-07 19:16:46 UTC
Updated	2026-04-10 19:03:17 UTC
Description	RustFS is a distributed object storage system built in Rust. Prior to alpha.90, RustFS contains a missing authorization check

Risk And Classification

Primary CVSS: v4.0 5.3 MEDIUM from security-advisories@github.com

CVSS:4.0/AV:N/AC:L/AT:N/PR:L/UI:N/VC:L/VI:N/VA:N/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

EPSS: 0.000300000 probability, percentile 0.083660000 (date 2026-04-15)

Problem Types: CWE-862 | CWE-862 CWE-862: Missing Authorization

Version	Source	Type	Score	Severity	Vector
4.0	security-advisories@github.com	Secondary	5.3	MEDIUM	CVSS:4.0/AV:N/AC:L/AT:N/PR:L/UI:N/VC:L/VI:N/VA:N/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X
4.0	CNA	DECLARED	5.3	MEDIUM	CVSS:4.0/AV:N/AC:L/AT:N/PR:L/UI:N/VC:L/VI:N/VA:N/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X
3.1	nvd@nist.gov	Primary	4.3	MEDIUM	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:L/I:N/A:N

CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Attack Requirements

None

Privileges Required

Low

User Interaction

None

Confidentiality

Low

Integrity

None

Availability

None

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:L/AT:N/PR:L/UI:N/VC:L/VI:N/VA:N/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

Low

Integrity

None

Availability

None

CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:L/I:N/A:N

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Rustfs	Rustfs	1.0.0	alpha1	All	All
Application	Rustfs	Rustfs	1.0.0	alpha10	All	All
Application	Rustfs	Rustfs	1.0.0	alpha11	All	All

Application	Rustfs	Rustfs	1.0.0	alpha12	All	All
Application	Rustfs	Rustfs	1.0.0	alpha13	All	All
Application	Rustfs	Rustfs	1.0.0	alpha14	All	All
Application	Rustfs	Rustfs	1.0.0	alpha15	All	All
Application	Rustfs	Rustfs	1.0.0	alpha16	All	All
Application	Rustfs	Rustfs	1.0.0	alpha17	All	All
Application	Rustfs	Rustfs	1.0.0	alpha18	All	All
Application	Rustfs	Rustfs	1.0.0	alpha19	All	All
Application	Rustfs	Rustfs	1.0.0	alpha2	All	All
Application	Rustfs	Rustfs	1.0.0	alpha20	All	All
Application	Rustfs	Rustfs	1.0.0	alpha21	All	All
Application	Rustfs	Rustfs	1.0.0	alpha22	All	All
Application	Rustfs	Rustfs	1.0.0	alpha23	All	All
Application	Rustfs	Rustfs	1.0.0	alpha24	All	All
Application	Rustfs	Rustfs	1.0.0	alpha25	All	All
Application	Rustfs	Rustfs	1.0.0	alpha26	All	All
Application	Rustfs	Rustfs	1.0.0	alpha27	All	All
Application	Rustfs	Rustfs	1.0.0	alpha28	All	All
Application	Rustfs	Rustfs	1.0.0	alpha29	All	All
Application	Rustfs	Rustfs	1.0.0	alpha3	All	All
Application	Rustfs	Rustfs	1.0.0	alpha30	All	All
Application	Rustfs	Rustfs	1.0.0	alpha31	All	All
Application	Rustfs	Rustfs	1.0.0	alpha32	All	All
Application	Rustfs	Rustfs	1.0.0	alpha33	All	All
Application	Rustfs	Rustfs	1.0.0	alpha34	All	All
Application	Rustfs	Rustfs	1.0.0	alpha35	All	All
Application	Rustfs	Rustfs	1.0.0	alpha36	All	All
Application	Rustfs	Rustfs	1.0.0	alpha37	All	All
Application	Rustfs	Rustfs	1.0.0	alpha38	All	All
Application	Rustfs	Rustfs	1.0.0	alpha39	All	All
Application	Rustfs	Rustfs	1.0.0	alpha4	All	All
Application	Rustfs	Rustfs	1.0.0	alpha40	All	All
Application	Rustfs	Rustfs	1.0.0	alpha41	All	All
Application	Rustfs	Rustfs	1.0.0	alpha42	All	All
Application	Rustfs	Rustfs	1.0.0	alpha43	All	All

Application	Rustfs	Rustfs	1.0.0	alpha44	All	All
Application	Rustfs	Rustfs	1.0.0	alpha45	All	All
Application	Rustfs	Rustfs	1.0.0	alpha46	All	All
Application	Rustfs	Rustfs	1.0.0	alpha47	All	All
Application	Rustfs	Rustfs	1.0.0	alpha48	All	All
Application	Rustfs	Rustfs	1.0.0	alpha49	All	All
Application	Rustfs	Rustfs	1.0.0	alpha5	All	All
Application	Rustfs	Rustfs	1.0.0	alpha50	All	All
Application	Rustfs	Rustfs	1.0.0	alpha51	All	All
Application	Rustfs	Rustfs	1.0.0	alpha52	All	All
Application	Rustfs	Rustfs	1.0.0	alpha53	All	All
Application	Rustfs	Rustfs	1.0.0	alpha54	All	All
Application	Rustfs	Rustfs	1.0.0	alpha55	All	All
Application	Rustfs	Rustfs	1.0.0	alpha56	All	All
Application	Rustfs	Rustfs	1.0.0	alpha57	All	All
Application	Rustfs	Rustfs	1.0.0	alpha58	All	All
Application	Rustfs	Rustfs	1.0.0	alpha59	All	All
Application	Rustfs	Rustfs	1.0.0	alpha6	All	All
Application	Rustfs	Rustfs	1.0.0	alpha60	All	All
Application	Rustfs	Rustfs	1.0.0	alpha61	All	All
Application	Rustfs	Rustfs	1.0.0	alpha62	All	All
Application	Rustfs	Rustfs	1.0.0	alpha63	All	All
Application	Rustfs	Rustfs	1.0.0	alpha64	All	All
Application	Rustfs	Rustfs	1.0.0	alpha65	All	All
Application	Rustfs	Rustfs	1.0.0	alpha66	All	All
Application	Rustfs	Rustfs	1.0.0	alpha67	All	All
Application	Rustfs	Rustfs	1.0.0	alpha68	All	All
Application	Rustfs	Rustfs	1.0.0	alpha69	All	All
Application	Rustfs	Rustfs	1.0.0	alpha7	All	All
Application	Rustfs	Rustfs	1.0.0	alpha70	All	All
Application	Rustfs	Rustfs	1.0.0	alpha71	All	All
Application	Rustfs	Rustfs	1.0.0	alpha72	All	All
Application	Rustfs	Rustfs	1.0.0	alpha73	All	All
Application	Rustfs	Rustfs	1.0.0	alpha74	All	All
Application	Rustfs	Rustfs	1.0.0	alpha75	All	All
Application	Rustfs	Rustfs	1.0.0	alpha76	All	All

Application	Rustfs	Rustfs	1.0.0	alpha77	All	All
Application	Rustfs	Rustfs	1.0.0	alpha78	All	All
Application	Rustfs	Rustfs	1.0.0	alpha79	All	All
Application	Rustfs	Rustfs	1.0.0	alpha8	All	All
Application	Rustfs	Rustfs	1.0.0	alpha80	All	All
Application	Rustfs	Rustfs	1.0.0	alpha81	All	All
Application	Rustfs	Rustfs	1.0.0	alpha82	All	All
Application	Rustfs	Rustfs	1.0.0	alpha83	All	All
Application	Rustfs	Rustfs	1.0.0	alpha84	All	All
Application	Rustfs	Rustfs	1.0.0	alpha85	All	All
Application	Rustfs	Rustfs	1.0.0	alpha86	All	All
Application	Rustfs	Rustfs	1.0.0	alpha87	All	All
Application	Rustfs	Rustfs	1.0.0	alpha88	All	All
Application	Rustfs	Rustfs	1.0.0	alpha89	All	All
Application	Rustfs	Rustfs	1.0.0	alpha9	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Rustfs	Rustfs	affected < alpha.90	Not specified

References

Reference	Source	Link	Tags
github.com/rustfs/rustfs/security/advisories/GHSA-mx42-j6wv-px98	security-advisories@github.com	github.com	Exploit, Vendor Adviso
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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