



Submariner-operator: rbac permissions can allow for the spread of node compromises

[MITRE](#)

[NVD](#)

[CVE.ORG](#)

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Summary	
CVE	CVE-2024-5042
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2024-05-17 14:15:21 UTC
Updated	2026-04-02 17:16:19 UTC
Description	A flaw was found in the Submariner project. Due to unnecessary role-based access control permissions, a privileged attack

Risk And Classification

Primary CVSS: v3.1 6.6 MEDIUM from secalert@redhat.com

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

EPSS: 0.000620000 probability, percentile 0.192860000 (date 2026-04-07)

Problem Types: CWE-250 | CWE-250 Execution with Unnecessary Privileges

Version	Source	Type	Score	Severity	Vector
3.1	secalert@redhat.com	Secondary	6.6	MEDIUM	CVSS:3.1/AV:N/AC:H/PR:H/UI:N/S:C/C:L/I:H/A:N
3.1	CNA	CVSS	6.6	MEDIUM	CVSS:3.1/AV:N/AC:H/PR:H/UI:N/S:C/C:L/I:H/A:N

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

High

Privileges Required

High

User Interaction

None

Scope

Changed

Confidentiality

Low

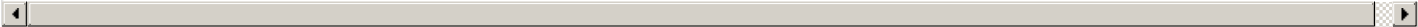
Integrity

High

Availability

None

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



Vendor Declared Affected Products			
Source	Vendor	Product	Version
CNA	Red Hat	RHODF-4.16-RHEL-9	unaffected v4.16.0-19 * rpm
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:147e1ff243a190e7db6af5a450ab9ee45
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:457e7c141b8e04ebe23f8b89da6d2a1a
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:0e1a41e4284bb482365de3b2d2e799fe
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:23e29e78ab6586896be041a0d759d0a4
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:40b76923ce5df4062bfd3a6c617874e23
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:0ea607acea5d6ad4aa853cb564e7c5e4
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:74efeee9bddf97c549de6a6fa454d86f96
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:2f22bca94e282ce150235d7407046552
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:1f58e36602f8e8704179762e4b94898de
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:180f30e2f7ae5a1604c9ef3e8fdcdb2af3
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:bc06753f9f013d4eed2705d5fbd727f916
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:31bd7bff52021201beffb8f94e25635443
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:0cb993a3f939cd30689f10f03110a6dec
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:55351821e9c296bf419a0b6b4f8a08942
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:3d8d9e2964d1c472f29ff5a67ff2b23188
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:0b5f12a165ad061ec151f9310fa580371
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:08cd8df1f99ca92bd8c82a3ce345352f8a
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:13594f6f57bdd87477505288fee4a62c5
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:2541e3c82807ec72336aa0151f05e857
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:1872fce9d3599368600ce07f81c6a2105
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:33e368d66244b241e6eb7e39eb886fa9
CNA	Red Hat	Red Hat Openshift Data Foundation 4.2	unaffected sha256:253711dee2d7fdbf65756583ba63a73ec
CNA	Red Hat	Red Hat Advanced Cluster Management For Kubernetes 2	Not specified
CNA	Red Hat	Red Hat Advanced Cluster Management For Kubernetes 2	Not specified
CNA	Red Hat	Red Hat Advanced Cluster Management For Kubernetes 2	Not specified
CNA	Red Hat	Red Hat Advanced Cluster Management For Kubernetes 2	Not specified
CNA	Red Hat	Red Hat Advanced Cluster Management For Kubernetes 2	Not specified

CNA Red Hat Red Hat Advanced Cluster Management For Kubernetes 2 Not specified

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References

Reference	Source	Link	Tags
github.com/advisories/GHSA-2rhx-qhxp-5jpw	af854a3a-2127-422b-91ae-364da2661108	github.com	
access.redhat.com/security/cve/CVE-2024-5042	af854a3a-2127-422b-91ae-364da2661108	access.redhat.com	
bugzilla.redhat.com/show_bug.cgi	af854a3a-2127-422b-91ae-364da2661108	bugzilla.redhat.com	
access.redhat.com/errata/RHSA-2024:4591	af854a3a-2127-422b-91ae-364da2661108	access.redhat.com	
access.redhat.com/errata/RHSA-2026:6503	secalert@redhat.com	access.redhat.com	
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.

Additional Advisory Data

Source	Time	Event
CNA	2024-05-15T00:00:00.000Z	Reported to Red Hat.
CNA	2024-05-16T00:00:00.000Z	Made public.

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