CVE-2020-8551

Published on: 03/27/2020 12:00:00 AM UTC

Last Modified on: 01/27/2023 06:26:00 PM UTC

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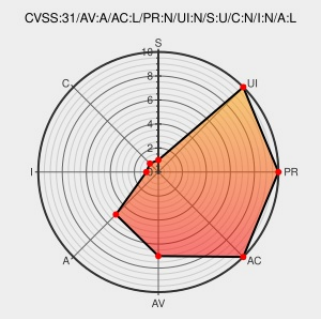
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Fedora from Fedoraproject contain the following vulnerability:

The Kubelet component in versions 1.15.0-1.15.9, 1.16.0-1.16.6, and 1.17.0-1.17.2 has been found to be vulnerable to a denial of service attack via the kubelet API, including the unauthenticated HTTP read-only API typically served on port 10255, and the authenticated HTTPS API typically served on port 10250.

CVE-2020-8551 has been assigned by security@kubernetes.io to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **Kubernetes** - **Kubernetes** version < **v1.17.3**

Affected Vendor/Software: **Kubernetes** - **Kubernetes** version < **v1.16.7**

Affected Vendor/Software: **Kubernetes** - **Kubernetes** version < **v1.15.10**

CVSS3 Score: 6.5 - MEDIUM

Attack Vector	Attack Complexity	Privileges Required	User Interaction
ADJACENT_NETWORK	LOW	NONE	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	NONE	NONE	HIGH

CVSS2 Score: 3.3 - LOW

Access Vector	Access Complexity	Authentication
ADJACENT_NETWORK	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
Google Groups	Mailing List Third Party Advisory groups.google.com text/html	MISC groups.google.com/forum/#!topic/kubernetes-security-announce/2UOlsba2g0s
[SECURITY] Fedora 32 Update: origin-3.11.2-1.fc32 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	FEDORA FEDORA-2020-aeea04cd13
April 2020 Kubernetes Vulnerabilities in NetApp Products | NetApp Product Security	security.netapp.com text/html	CONFIRM security.netapp.com/advisory/ntap-20200413-0003/
CVE-2020-8551: Kubelet DoS via API · Issue #89377 · kubernetes/kubernetes · GitHub	Patch Third Party Advisory github.com text/html	MISC github.com/kubernetes/kubernetes/issues/89377

Related QID Numbers

377860 Kubernetes kubelet Denial of Service (DoS) Via API Vulnerability

770020 Red Hat OpenShift Container Platform 4.3.10 Security Update (RHSA-2020:1276)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Fedoraproject	Fedora	32	All	All	All
Application	Kubernetes	Kubernetes	All	All	All	All
Application	Kubernetes	Kubernetes	All	All	All	All
Application	Kubernetes	Kubernetes	All	All	All	All

cpe:2.3:o:fedoraproject:fedora:32:*:*:*:*:*:*:*:

cpe:2.3:a:kubernetes:kubernetes:*:*:*:*:*:*:*:*:

cpe:2.3:a:kubernetes:kubernetes:*:*:*:*:*:*:*:*:

cpe:2.3:a:kubernetes:kubernetes:*:*:*:*:*:*:*:*:

Discovery Credit

Henrik Schmidt

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CVE.report and Source URL Uptime Status status.cve.report