CVE-2019-11251

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CVE-2019-11251

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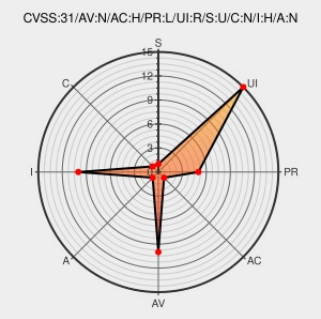

Certain versions of Kubernetes from Kubernetes contain the following vulnerability:

The Kubernetes kubectl cp command in versions 1.1-1.12, and versions prior to 1.13.11, 1.14.7, and 1.15.4 allows a combination of two symlinks provided by tar output of a malicious container to place a file outside of the destination directory specified in the kubectl cp invocation. This could be used to allow an attacker to place a nefarious file using a symlink, outside of the destination tree.

CVE-2019-11251 has been assigned by security@kubernetes.io to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 5.7 - MEDIUM

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

CVSS2 Score: 4.3 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	PARTIAL	NONE

CVE References

Description	Tags	Link
Google Groups	Mailing List Third Party Advisory	MLIST Security release of kubectl versions v1.16.0 / 1.15.4 / 1.14.7 and 1.13.11 - CVE-2019-11251

	groups.google.com text/html	
CVE-2019-11251: kubectl cp symlink vulnerability · Issue #87773 · kubernetes/kubernetes · GitHub	Third Party Advisory github.com text/html	CONFIRM github.com/kubernetes/kubernetes/issues/87773

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Related QID Numbers

770008 Red Hat OpenShift Container Platform 4.1 Security Update (RHSA-2019:3266)

982577 Go (go) Security Update for github.com/kubernetes/kubernetes/pkg/kubectl/cmd/cp (GHSA-6qfg-8799-r575)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Kubernetes	Kubernetes	All	All	All	All
Application	Kubernetes	Kubernetes	1.1-1.12	All	All	All
Application	Kubernetes	Kubernetes	All	All	All	All
Application	Kubernetes	Kubernetes	1.1-1.12	All	All	All

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

cpe:2.3:a:kubernetes:kubernetes:1.1-1.12:*:*:*:*:*:*:*:

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

cpe:2.3:a:kubernetes:kubernetes:1.1-1.12:*:*:*:*:*:*:*:

Discovery Credit

Erik Sjölund

Social Mentions

Source	Title	Posted (UTC)
/r/TutorialBoy	A Detailed Talk about K8S Cluster Security from the Perspective of Attackers (Part 1)	2022-09-15 17:54:15

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