



CVE-2021-43979

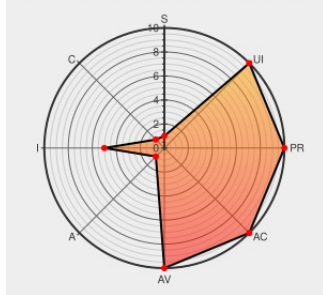
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[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:L/A:N



Certain versions of [Gatekeeper](#) from [Openpolicyagent](#) contain the following vulnerability:

**** DISPUTED **** Styra Open Policy Agent (OPA) Gatekeeper through 3.7.0 mishandles concurrency, sometimes resulting in incorrect access control. The data replication mechanism allows policies to access the Kubernetes cluster state. During data replication, OPA/Gatekeeper does not wait for the replication to finish before processing a request,

which might cause inconsistencies between the replicated resources in OPA/Gatekeeper and the resources actually present in the cluster. Inconsistency can later be reflected in a policy bypass. NOTE: the vendor disagrees that this is a vulnerability, because Kubernetes states are only eventually consistent.

CVE-2021-43979 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.3 - MEDIUM**

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

CVSS2 Score: **5 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	PARTIAL	NONE

CVE References

Description	Tags	Link				
Releases · open-policy-agent/gatekeeper · GitHub	github.com text/html	 MISC github.com/open-policy-agent/gatekeeper/releases				
GitHub - hkerma/opa-gatekeeper-concurrency-issue: PoC of a concurrency issue in OPA/Gatekeeper using data replication	github.com text/html	 MISC github.com/hkerma/opa-gatekeeper-concurrency-issue				
By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to comment@cve.report.						
There are currently no QIDs associated with this CVE						
Known Affected Configurations (CPE V2.3)						
Type	Vendor	Product	Version	Update	Edition	Language
Application	Openpolicyagent	Gatekeeper	All	All	All	All
cpe:2.3:a:openpolicyagent:gatekeeper:*:*:*:*:*:						
No vendor comments have been submitted for this CVE						
Social Mentions						
Source	Title					Posted (UTC)
 @CVEreport	CVE-2021-43979 : ** DISPUTED ** Styra Open Policy Agent OPA Gatekeeper through 3.7.0 mishandles concurrency, some... twitter.com/i/web/status/1...					2021-11-17 19:13:54
← Previous ID			Next ID →			