CVE-2022-39199

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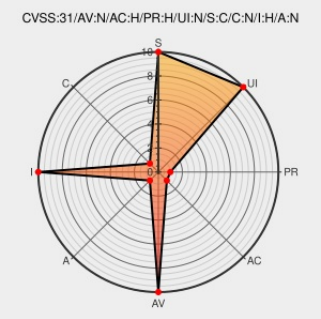
CVE-2022-39199 - advisory for GHSA-6cqj-6969-p57x

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



Certain versions of Immudb from Codenotary contain the following vulnerability:

immudb is a database with built-in cryptographic proof and verification. immudb client SDKs use server's UUID to distinguish between different server instance so that the client can connect to different immudb instances and keep the state for multiple servers. SDK does not validate this uuid and can accept any value reported by the server. A malicious server can change the reported UUID tricking the client to treat it as a different server thus accepting a state completely irrelevant to the one previously retrieved from the server. This issue has been patched in version 1.4.1. As a workaround, when initializing an immudb client object a custom state handler can be used to store the state. Providing custom implementation that ignores the server UUID can be used to ensure that even if the server changes the UUID, client will still consider it to be the same server.

CVE-2022-39199 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **codenotary** - **immudb** version **< 1.4.1**

CVSS3 Score: 5.9 - MEDIUM

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

CVE References

Description	Tags	Link
Release v1.4.1 · codenotary/immudb · GitHub	github.com text/html	MISC github.com/codenotary/immudb/releases/tag/v1.4.1

Lack of proper validation of server UUID can be used by the server to trick the client to accept invalid proofs · Advisory · codenotary/immudb · GitHub	github.com text/html	CONFIRM github.com/codenotary/immudb/security/advisories/GHSA-6cqj-6969-p57x

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Codenotary	Immudb	All	All	All	All

cpe:2.3:a:codenotary:immudb:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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