CVE-2023-22497

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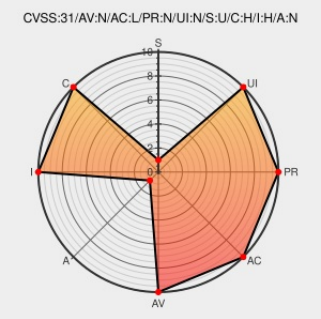
CVE-2023-22497 - advisory for GHSA-jx85-39cw-66f2

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



Certain versions of Netdata from Netdata contain the following vulnerability:

Netdata is an open source option for real-time infrastructure monitoring and troubleshooting. Each Netdata Agent has an automatically generated MACHINE GUID. It is generated when the agent first starts and it is saved to disk, so that it will persist across restarts and reboots. Anyone who has access to a Netdata Agent has access to its MACHINE_GUID. Streaming is a feature that allows a Netdata Agent to act as parent for other Netdata Agents (children), offloading children from various functions (increased data retention, ML, health monitoring, etc) that can now be handled by the parent Agent. Configuration is done via `stream.conf`. On the parent side, users configure in `stream.conf` an API key (any random UUID can do) to provide common configuration for all children using this API key and per MACHINE GUID configuration to customize the configuration for each child. The way this was implemented, allowed an attacker to use a valid MACHINE_GUID as an API key. This affects all users who expose their Netdata Agents (children) to non-trusted users and they also expose to the same users Netdata Agent parents that aggregate data from all these children. The problem has been fixed in: Netdata agent v1.37 (stable) and Netdata agent v1.36.0-409 (nightly). As a workaround, do not enable streaming by default. If you have previously enabled this, it can be disabled. Limiting access to the port on the recipient Agent to trusted child connections may mitigate the impact of this vulnerability.

CVE-2023-22497 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as CRITICAL severity.

Affected Vendor/Software: **netdata** - **netdata** version **= < 1.36.0-409**

Affected Vendor/Software: **netdata** - **netdata** version **= < 1.37**

CVSS3 Score: 9.1 - CRITICAL

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE

Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	NONE

CVE References

Description	Tags	Link
Netdata Streaming Authentication Bypass · Advisory · netdata/netdata · GitHub	github.com text/html	MISC github.com/netdata/netdata/security/advisories/GHSA-jx85-39cw-66f2
Release v1.37.0 · netdata/netdata · GitHub	github.com text/html	MISC github.com/netdata/netdata/releases/tag/v1.37.0

Related QID Numbers

183738 Debian Security Update for netdata (CVE-2023-22497)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Netdata	Netdata	All	All	All	All

cpe:2.3:a:netdata:netdata:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2023-22497 : Netdata is an open source option for real-time infrastructure monitoring and troubleshooting. Each… twitter.com/i/web/status/1…	2023-01-14 02:07:11

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