CVE-2020-28349

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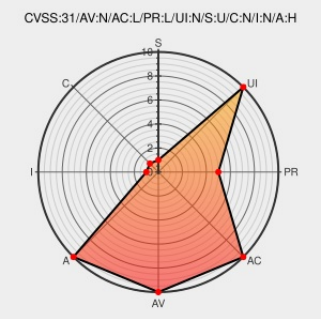
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Network Server from Chirpstack contain the following vulnerability:

** DISPUTED ** An inaccurate frame deduplication process in ChirpStack Network Server 3.9.0 allows a malicious gateway to perform uplink Denial of Service via malformed frequency attributes in CollectAndCallOnceCollect in internal/uplink/collect.go. NOTE: the vendor's position is that there are no "guarantees that allowing untrusted LoRa gateways to the network should still result in a secure network."

CVE-2020-28349 has been assigned by cve@mitre.org to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 6.5 - MEDIUM

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

CVSS2 Score: 6.8 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	LOW	SINGLE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	NONE	COMPLETE

CVE References

Description	Tags	Link
LoRaWAN & MQTT: What to Know When Securing Your IoT Network	Exploit, Third Party Advisory	MISC www.cyberark.com/resources/threat-research-blog/lorawan-mqtt-what-to-know-when-securing-your-iot-

	www.cyberark.com text/html	network
Improve error handling of unknown gateways. · brocaar/chirpstack-network-server@874fc1a · GitHub	Patch Third Party Advisory github.com text/html	MISC github.com/brocaar/chirpstack-network-server/commit/874fc1a9b01045ebe8a340f0bb01ed19e8256e60
Improve uplink de-duplication. · brocaar/chirpstack-network-server@f996bb0 · GitHub	Patch Third Party Advisory github.com text/html	MISC github.com/brocaar/chirpstack-network-server/commit/f996bb0c6c85281b5658f59ff09db1b4a73db453

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Chirpstack	Network Server	3.9.0	All	All	All
Application	Chirpstack	Network Server	3.9.0	All	All	All

cpe:2.3:a:chirpstack:network_server:3.9.0:*:*:*:*:*:*:*

cpe:2.3:a:chirpstack:network_server:3.9.0:*:*:*:*:*:*:*

No vendor comments have been submitted for this CVE

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