

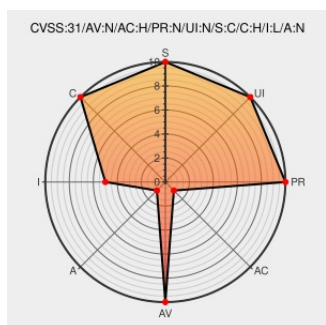


# CVE-2020-11015

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## CVE-2020-11015 - advisory for GHSA-5x54-39xq-cwvc

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

Certain versions of [Thinx-device-api](#) from [Thinx-device-api Project](#) contain the following vulnerability:

A vulnerability has been disclosed in thinx-device-api IoT Device Management Server before version 2.5.0. Device MAC address can be spoofed. This means initial registration requests without UDID and spoofed MAC address may pass to create new UDID with same MAC address. Full impact needs to be reviewed further. Applies to all (mostly ESP8266/ESP32) users. This has been fixed in firmware version 2.5.0.

CVE-2020-11015 has been assigned by [security-advisories@github.com](#) to track the vulnerability - currently rated as **CRITICAL** severity.

Affected Vendor/Software: [suculent](#) - [thinx-device-api](#) version < 2.5.0

CVSS3 Score: **9.1 - CRITICAL**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b>   | <b>LOW</b>             | <b>NONE</b>         | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>HIGH</b>            | <b>HIGH</b>         | <b>NONE</b>         |

CVSS2 Score: **6.4 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>LOW</b>        | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>PARTIAL</b>         | <b>PARTIAL</b>    | <b>NONE</b>         |

## CVE References

| Description | Tags | Link |
|-------------|------|------|
|-------------|------|------|

Description

Days

Link

Device Authentication Vulnerability: Possible MAC address collision

· Advisory · [suculent/thinx-device-api](#) · [GitHub](#)

Third Party Advisory

[github.com](#)

[text/html](#)

CONFIRM

[github.com/suculent/thinx-device-api/security/advisories/GHSA-5x54-39xq-cwvc](#)

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

| Type        | Vendor                                   | Product                          | Version | Update | Edition | Language |
|-------------|------------------------------------------|----------------------------------|---------|--------|---------|----------|
| Application | <a href="#">Thinx-device-api Project</a> | <a href="#">Thinx-device-api</a> | All     | All    | All     | All      |
| Application | <a href="#">Thinx-device-api Project</a> | <a href="#">Thinx-device-api</a> | All     | All    | All     | All      |

cpe:2.3:a:thinx-device-api\_project:thinx-device-api:.\*.\*.\*.\*:node.js:.\*.\*:

cpe:2.3:a:thinx-device-api\_project:thinx-device-api:.\*.\*.\*.\*:node.js:.\*.\*:

No vendor comments have been submitted for this CVE

Social Mentions

| Source                                                                                             | Title                                                                                                                                                                | Posted (UTC)        |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  @Robo_Alerts    | Potentially Critical CVE Detected! CVE-2020-11015 A vulnerability has been disclosed in thinx-device-api IoT Device... <a href="#">twitter.com/i/web/status/1...</a> | 2022-09-29 02:55:58 |
|  @RemotelyAlerts | Severity: ??   A vulnerability has been disclosed in th...   CVE-2020-11015   Link for more: <a href="#">alerts.remotelyrmm.com/CVE-2020-11015</a>                   | 2022-09-29 03:30:25 |

← Previous ID

Next ID →