



# CVE-2019-8318

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## CVE-2019-8318

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

Certain versions of [Dir-878](#) from [Dlink](#) contain the following vulnerability:

An issue was discovered on D-Link DIR-878 devices with firmware 1.12A1. This issue is a Command Injection allowing a remote attacker to execute arbitrary code, and get a root shell. A command Injection vulnerability allows attackers to execute arbitrary OS commands via a crafted /HNAP1 POST request. This occurs when any HNAP API

function triggers a call to the twsystem function with untrusted input from the request body for the SetSysEmailSettings API function, as demonstrated by shell metacharacters in the SMTPServerPort field.

CVE-2019-8318 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **8.8 - HIGH**

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

CVSS2 Score: **9 - HIGH**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>LOW</b>        | <b>SINGLE</b>       |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>COMPLETE</b>        | <b>COMPLETE</b>   | <b>COMPLETE</b>     |

## CVE References

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

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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 |
|--------------------------------------------------------------------------------------------|-----------------------|----------------------------------|---------|--------|---------|----------|
| Hardware  | <a href="#">Dlink</a> | <a href="#">Dir-878</a>          | -       | All    | All     | All      |
| Hardware  | <a href="#">Dlink</a> | <a href="#">Dir-878</a>          | -       | All    | All     | All      |
| Operating System                                                                           | <a href="#">Dlink</a> | <a href="#">Dir-878 Firmware</a> | 1.12a1  | All    | All     | All      |
| Operating System                                                                           | <a href="#">Dlink</a> | <a href="#">Dir-878 Firmware</a> | 1.12a1  | All    | All     | All      |
| cpe:2.3:h:dlink:dir-878:-:*:*:*:*:*:                                                       |                       |                                  |         |        |         |          |
| cpe:2.3:h:dlink:dir-878:-:*:*:*:*:*:                                                       |                       |                                  |         |        |         |          |
| cpe:2.3:o:dlink:dir-878_firmware:1.12a1:*:*:*:*:*:                                         |                       |                                  |         |        |         |          |
| cpe:2.3:o:dlink:dir-878_firmware:1.12a1:*:*:*:*:*:                                         |                       |                                  |         |        |         |          |

No vendor comments have been submitted for this CVE

#### Social Mentions

| Source | Title | Posted (UTC) |
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