



# CVE-2021-27698

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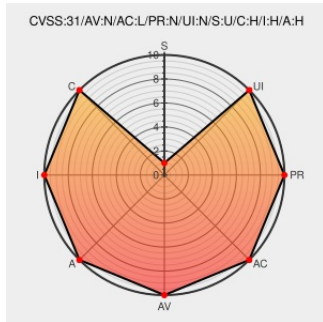
## CVE-2021-27698

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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Certain versions of [Riot](#) from [Riot-os](#) contain the following vulnerability:

RIOT-OS 2021.01 contains a buffer overflow vulnerability in `/sys/net/gnrc/routing/rpl/gnrc_rpl_control_messages.c` through the `_parse_options()` function.

CVE-2021-27698 has been assigned by [M](#) [cve@mitre.org](mailto:cve@mitre.org) to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - 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>HIGH</b>

CVSS2 Score: **7.5 - HIGH**

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>PARTIAL</b>

## CVE References

Description	Tags	Link
gnrc_rpl: missing bounds checks in <code>_parse_options</code> · Issue #16085 · RIOT-OS/RIOT · GitHub	<a href="#">github.com</a> <a href="#">text/html</a>	<a href="https://github.com/RIOT-OS/RIOT/issues/16085">MISC github.com/RIOT-OS/RIOT/issues/16085</a>

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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
Operating System	<a href="#">Riot-os</a>	<a href="#">Riot</a>	2021.01	All	All	All
<code>cpe:2.3:o:riot-os:riot:2021.01:*:*:*:*:*:</code>						

No vendor comments have been submitted for this CVE

### Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2021-27698 : RIOT-OS 2021.01 contains a buffer overflow vulnerability in /sys/net/gnrc/routing/rpl/gnrc_rpl_con... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a>	2021-04-06 13:03:56
 /r/netcve	<a href="#">CVE-2021-27698</a>	2021-04-06 13:53:10

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[Next ID →](#)

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