



CVE-2021-27697

Published on: 04/06/2021 12:00:00 AM UTC

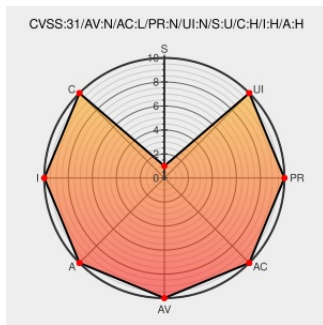
Last Modified on: 04/09/2021 06:06:00 PM UTC

CVE-2021-27697

[Source: Mitre](#)

[Source: Nist](#)

[Print: PDF](#)



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_validation.c` through the `gnrc_rpl_validation_options()` function.

CVE-2021-27697 has been assigned by [M](#) 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
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: **7.5 - HIGH**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
gnrc_rpl: missing bounds checks in gnrc_rpl_validation_options · Issue #16062 · RIOT-OS/RIOT · GitHub	github.com text/html	MISC github.com/RIOT-OS/RIOT/issues/16062

By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that

are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to comment@cve.report.



There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Riot-os	Riot	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-2021-27697 : RIOT-OS 2021.01 contains a buffer overflow vulnerability in sys/net/gnrc/routing/rpl/gnrc_rpl_vali... twitter.com/i/web/status/1...	2021-04-06 12:48:23
 /r/netcve	CVE-2021-27697	2021-04-06 13:53:08

[← Previous ID](#)

[Next ID →](#)

© CVE.report 2022   |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

CVE.report and Source URL Uptime Status [status.cve.report](#)