

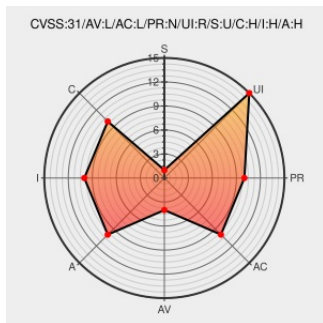


CVE-2019-19590

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CVE-2019-19590

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

Certain versions of [Radare2](#) from [Radare](#) contain the following vulnerability:

In radare2 through 4.0, there is an integer overflow for the variable `new_token_size` in the function `r_asm_massemble` at `libr/asm/asm.c`. This integer overflow will result in a Use-After-Free for the buffer tokens, which can be filled with arbitrary malicious data after the free. This allows remote attackers to cause a denial of service (application crash) or possibly execute arbitrary code via crafted input.

CVE-2019-19590 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.8 - HIGH**

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

CVSS2 Score: **6.8 - MEDIUM**

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

CVE References

Description	Tags	Link
Integer Overflow in `r_asm_massemble` at <code>libr/asm/asm.c</code> · Issue #15543 · radareorg/radare2 · GitHub	Exploit Patch	MISC github.com/radareorg/radare2/issues/15543

[Third Party Advisory](#)[github.com](#)[text/html](#)

[SECURITY] Fedora 31 Update: radare2-4.2.1-2.fc31 - package-announce - Fedora Mailing-Lists

[lists.fedoraproject.org](#)[text/html](#) [FEDORA](#) [FEDORA-2020-acd8cdb08d](#)

[SECURITY] Fedora 30 Update: cutter-re-1.10.1-3.fc30 - package-announce - Fedora Mailing-Lists

[lists.fedoraproject.org](#)[text/html](#) [FEDORA](#) [FEDORA-2020-4a3ff78ba5](#)

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Related QID Numbers

503245 Alpine Linux Security Update for radare2

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Radare	Radare2	All	All	All	All
cpe:2.3:a:radare:radare2:*.***:*.***:*						

No vendor comments have been submitted for this CVE

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