



CVE-2020-13995

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

CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H



Certain versions of [Nitif Extract Utility](#) from [Airforce](#) contain the following vulnerability:

U.S. Air Force Sensor Data Management System extract75 has a buffer overflow that leads to code execution. An overflow in a global variable (sBuffer) leads to a Write-What-Where outcome. Writing beyond sBuffer will clobber most global variables until reaching a pointer such as DES_info or image_info. By controlling that pointer,

one achieves an arbitrary write when its fields are assigned. The data written is from a potentially untrusted NITF file in the form of an integer. The attacker can gain control of the instruction pointer.

CVE-2020-13995 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
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CVE-2020-13995: Details on a Vulnerability in a NITF Parser - River Loop Security

Exploit

Third Party Advisory

www.riverloopsecurity.com

text/html

MISC

www.riverloopsecurity.com/blog/2020/09/nitf-extract75-cve-2020-13995/

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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	Airforce	Nitf Extract Utility	7.5	All	All	All
Application	Airforce	Nitf Extract Utility	7.5	All	All	All
cpe:2.3:a:airforce:nitf_extract_utility:7.5:****:****:						
cpe:2.3:a:airforce:nitf_extract_utility:7.5:****:****:						

No vendor comments have been submitted for this CVE

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