

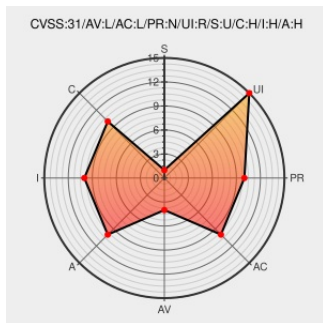


CVE-2020-18897

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CVE-2020-18897

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

Certain versions of [Libpff](#) from [Libpff Project](#) contain the following vulnerability:

An use-after-free vulnerability in the libpff_item_tree_create_node function of libyal Libpff before 20180623 allows attackers to cause a denial of service (DOS) or execute arbitrary code via a crafted pff file.

CVE-2020-18897 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: **4.4 - MEDIUM**

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

CVE References

Description	Tags	Link
AddressSanitizer: heap-use-after-free at libpff_item_tree.c:828 · Issue #62 · libyal/libpff · GitHub	github.com text/html	MISC github.com/libyal/libpff/issues/62
libpff_item_tree_create_node 4 byte read of cached out value · Issue #61 · libyal/libpff · GitHub	github.com text/html	MISC github.com/libyal/libpff/issues/61

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Related QID Numbers

180772 Debian Security Update for libpff (CVE-2020-18897)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Libpff Project	Libpff	All	All	All	All
cpe:2.3:a:libpff_project:libpff:***:***:***:						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2020-18897 : An use-after-free vulnerability in the libpff_item_tree_create_node function of libyal Libpff befo... twitter.com/i/web/status/1...	2021-08-19 22:02:08
 @WesUncensored	New vulnerability on the NVD: CVE-2020-18897 ift.tt/2XIOfWj	2021-08-20 00:33:32
 @workentin	New vulnerability on the NVD: CVE-2020-18897 ift.tt/2XIOfWj	2021-08-20 00:40:45
 @xanadulinux	CVE-2020-18897 ift.tt/2XIOfWj	2021-08-20 00:52:29

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