CVE-2018-16420

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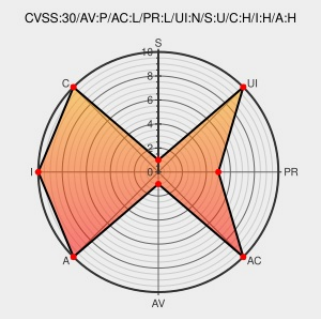
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Opensc from Opensc Project contain the following vulnerability:

Several buffer overflows when handling responses from an ePass 2003 Card in decrypt_response in libopensc/card-epass2003.c in OpenSC before 0.19.0-rc1 could be used by attackers able to supply crafted smartcards to cause a denial of service (application crash) or possibly have unspecified other impact.

CVE-2018-16420 has been assigned by cve@mitre.org to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 6.6 - MEDIUM

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

CVSS2 Score: 4.6 - MEDIUM

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
Advisory X41-2018-002: Multiple Vulnerabilities in OpenSC | X41 D-SEC GmbH	Exploit, Third Party Advisory, www.x41-dsec.de	MISC www.x41-dsec.de/lab/advisories/x41-2018-002-OpenSC/

GmbH	text/html	
[SECURITY] [DLA 1916-1] opensc security update	lists.debian.org text/html	MLIST [debian-lts-announce] 20190911 [SECURITY] [DLA 1916-1] opensc security update
Red Hat Customer Portal	access.redhat.com text/html	REDHAT RHSA-2019:2154
Release OpenSC-0.19.0-rc1 · OpenSC/OpenSC · GitHub	Patch Release Notes Third Party Advisory github.com text/html	MISC github.com/OpenSC/OpenSC/releases/tag/0.19.0-rc1
fixed out of bounds writes · OpenSC/OpenSC@360e95d · GitHub	Patch Third Party Advisory github.com text/html	MISC github.com/OpenSC/OpenSC/commit/360e95d45ac4123255a4c796db96337f332160ad#b36536074d13447fbbec061e0e64d15d

Related QID Numbers

377236 Alibaba Cloud Linux Security Update for opensc (ALINUX2-SA-2019:0105)

501105 Alpine Linux Security Update for opensc

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Opensc Project	Opensc	All	All	All	All

cpe:2.3:a:opensc_project:opensc:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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