CVE-2019-15790

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CVE-2019-15790 - advisory for https://usn.ubuntu.com/4171-1/

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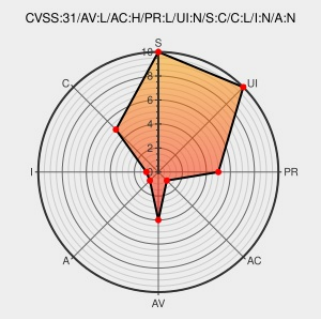

Certain versions of Apport from Apport Project contain the following vulnerability:

Apport reads and writes information on a crashed process to /proc/pid with elevated privileges. Apport then determines which user the crashed process belongs to by reading /proc/pid through get_pid_info() in data/apport. An unprivileged user could exploit this to read information about a privileged running process by exploiting PID recycling. This information could then be used to obtain ASLR offsets for a process with an existing memory corruption vulnerability. The initial fix introduced regressions in the Python Apport library due to a missing argument in Report.add_proc_environ in apport/report.py. It also caused an autopkgtest failure when reading /proc/pid and with Python 2 compatibility by reading /proc maps. The initial and subsequent regression fixes are in 2.20.11-0ubuntu16, 2.20.11-0ubuntu8.6, 2.20.9-0ubuntu7.12, 2.20.1-0ubuntu2.22 and 2.14.1-0ubuntu3.29+esm3.

CVE-2019-15790 has been assigned by security@ubuntu.com to track the vulnerability - currently rated as LOW severity.

Affected Vendor/Software: **Canonical** - **Apport** version **< 2.14.1-0ubuntu3.29+esm3**

Affected Vendor/Software: **Canonical** - **Apport** version **< 2.20.1-0ubuntu2.22**

Affected Vendor/Software: **Canonical** - **Apport** version **< 2.20.9-0ubuntu7.12**

Affected Vendor/Software: **Canonical** - **Apport** version **< 2.20.11-0ubuntu8.6**

Affected Vendor/Software: **Canonical** - **Apport** version **< 2.20.11-0ubuntu16**

CVSS3 Score: 3.3 - LOW

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

CVSS2 Score: 2.1 - LOW

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

CVE References

Description	Tags	Link
Ubuntu Apport / Whoopsie DoS / Integer Overflow ≈ Packet Storm	packetstormsecurity.com text/html	MISC packetstormsecurity.com/files/172858/Ubuntu-Apport-Whoopsie-DoS-Integer-Overflow.html
Bug #1854237 “autopkgtests fail after security fixes” : Bugs : Apport	Issue Tracking Third Party Advisory bugs.launchpad.net text/html	CONFIRM bugs.launchpad.net/apport/+bug/1854237
USN-4171-4: Apport regression | Ubuntu security notices	Third Party Advisory usn.ubuntu.com text/html	CONFIRM usn.ubuntu.com/4171-4/
USN-4171-1: Apport vulnerabilities | Ubuntu security notices	Third Party Advisory usn.ubuntu.com text/html	CONFIRM usn.ubuntu.com/4171-1/
Bug #1851806 “'module' object has no attribute 'O_PATH'” : Bugs : apport package : Ubuntu	Exploit Issue Tracking Third Party Advisory bugs.launchpad.net text/html	CONFIRM bugs.launchpad.net/ubuntu/+source/apport/+bug/1851806
USN-4171-2: Apport vulnerabilities | Ubuntu security notices	Third Party Advisory usn.ubuntu.com text/html	CONFIRM usn.ubuntu.com/4171-2/
Bug #1850929 “python3-apport regression: missing argument in Rep...” : Bugs : apport package : Ubuntu	Exploit Issue Tracking Patch Third Party Advisory bugs.launchpad.net text/html	CONFIRM bugs.launchpad.net/ubuntu/+source/apport/+bug/1850929
Bug #1839795 “PID recycling enables an unprivileged user to gene...” : Bugs : apport package : Ubuntu	Exploit Issue Tracking Third Party Advisory bugs.launchpad.net text/html	CONFIRM bugs.launchpad.net/ubuntu/+source/apport/+bug/1839795
USN-4171-5: Apport regression | Ubuntu security notices	Third Party Advisory usn.ubuntu.com text/html	CONFIRM usn.ubuntu.com/4171-5/
USN-4171-3: Apport regression | Ubuntu security notices	Third Party Advisory usn.ubuntu.com text/html	CONFIRM usn.ubuntu.com/4171-3/

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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	Apport Project	Apport	-	All	All	All
Application	Apport Project	Apport	-	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	19.04	All	All	All
Operating System	Canonical	Ubuntu Linux	19.10	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	19.04	All	All	All
Operating System	Canonical	Ubuntu Linux	19.10	All	All	All

cpe:2.3:a:apport_project:apport:-:*:*:*:*:*:*:*:

cpe:2.3:a:apport_project:apport:-:*:*:*:*:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:14.04:*:*:*:esm:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:16.04:*:*:*:lts:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:18.04:*:*:*:lts:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:19.04:*:*:*:*:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:19.10:*:*:*:*:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:14.04:*:*:*:esm:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:16.04:*:*:*:lts:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:18.04:*:*:*:lts:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:19.04:*:*:*:*:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:19.10:*:*:*:*:*:*:*:

Discovery Credit

Kevin Backhouse

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