CVE-2019-15753

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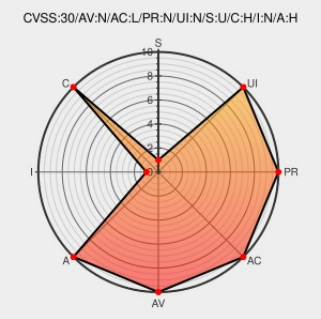
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Os-vif from Openstack contain the following vulnerability:

In OpenStack os-vif 1.15.x before 1.15.2, and 1.16.0, a hard-coded MAC aging time of 0 disables MAC learning in linuxbridge, forcing obligatory Ethernet flooding of non-local destinations, which both impedes network performance and allows users to possibly view the content of packets for instances belonging to other tenants sharing the same network. Only deployments using the linuxbridge backend are affected. This occurs in PyRoute2.add() in internal/command/ip/linux/impl_pyroute2.py.

CVE-2019-15753 has been assigned by cve@mitre.org to track the vulnerability - currently rated as CRITICAL severity.

CVSS3 Score: 9.1 - CRITICAL

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

CVSS2 Score: 6.4 - MEDIUM

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

CVE References

Description	Tags	Link
Bug #1837252 "[OSSA-2019-004] Ageing time of 0 ...	Issue Tracking	MISC launchpad.net/bugs/1837252

Bug #1837252 "[OSSA-2019-004] Ageing time of 0 disables linuxbri..." : Bugs : os-vif	Issue Tracking Third Party Advisory launchpad.net text/html	MISC launchpad.net/bugs/1837252
No Description Provided	Patch review.opendev.org text/html	MISC review.opendev.org/678098
OpenStack Docs: OSSA-2019-004: Ageing time of 0 disables linuxbridge MAC learning	Patch Vendor Advisory security.openstack.org text/html	CONFIRM security.openstack.org/ossa/OSSA-2019-004.html
No Description Provided	Patch review.opendev.org text/html	MISC review.opendev.org/672834
oss-security - [OSSA-2019-004] Ageing time of 0 disables linuxbridge MAC learning (CVE-2019-15753)	Mailing List Patch Third Party Advisory www.openwall.com text/html	MLIST [oss-security] 20190829 [OSSA-2019-004] Ageing time of 0 disables linuxbridge MAC learning (CVE-2019-15753)

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Openstack	Os-vif	All	All	All	All
Application	Openstack	Os-vif	1.16.0	All	All	All
Application	Openstack	Os-vif	All	All	All	All
Application	Openstack	Os-vif	1.16.0	All	All	All

cpe:2.3:a:openstack:os-vif:*:*:*:*:*:*:*:*:

cpe:2.3:a:openstack:os-vif:1.16.0:*:*:*:*:*:*:*:

cpe:2.3:a:openstack:os-vif:*:*:*:*:*:*:*:*:

cpe:2.3:a:openstack:os-vif:1.16.0:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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CVE.report and Source URL Uptime Status status.cve.report