CVE-2018-20854

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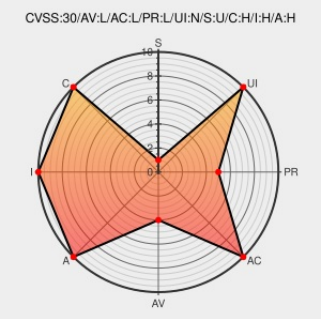
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Linux Kernel from Linux contain the following vulnerability:

An issue was discovered in the Linux kernel before 4.20. drivers/phy/mscc/phy-ocelot-serdes.c has an off-by-one error with a resultant ctrl->phys out-of-bounds read.

CVE-2018-20854 has been assigned by 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	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
kernel/git/torvalds/linux.git - Linux kernel source tree	Mailing List, Patch, Vendor Advisory, git.kernel.org, text/html	MISC git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit/?id=6acb47d1a318e5b3b7115354ebc4ea060c59d3a1

No Description Provided	support.f5.com text/html	CONFIRM support.f5.com/csp/article/K32450233
No Description Provided	support.f5.com text/html	CONFIRM support.f5.com/csp/article/K32450233?utm_source=f5support&utm_medium=RSS
phy: ocelot-serdes: fix out-of-bounds read · torvalds/linux@6acb47d · GitHub	Patch Third Party Advisory github.com text/html	MISC github.com/torvalds/linux/commit/6acb47d1a318e5b3b7115354ebc4ea060c59d3a1
August 2019 Linux Kernel Vulnerabilities in NetApp Products | NetApp Product Security	security.netapp.com text/html	CONFIRM security.netapp.com/advisory/ntap-20190905-0002/

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:*:*:*:

cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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