

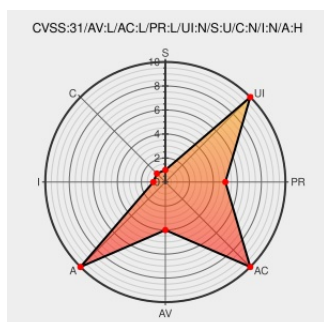


# CVE-2019-14763

Published on: 08/07/2019 12:00:00 AM UTC

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## CVE-2019-14763

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

Certain versions of [Ubuntu Linux](#) from [Canonical](#) contain the following vulnerability:

In the Linux kernel before 4.16.4, a double-locking error in drivers/usb/dwc3/gadget.c may potentially cause a deadlock with f\_hid.

CVE-2019-14763 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.5 - MEDIUM**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>LOCAL</b>     | <b>LOW</b>             | <b>LOW</b>          | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>NONE</b>            | <b>NONE</b>         | <b>HIGH</b>         |

CVSS2 Score: **4.9 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>LOCAL</b>           | <b>LOW</b>        | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>NONE</b>            | <b>NONE</b>       | <b>COMPLETE</b>     |

## CVE References

| Description | Tags                                                                                                                            | Link                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|             | <a href="#">Mailing List</a><br><a href="#">Vendor Advisory</a><br><a href="#">cdn.kernel.org</a><br><a href="#">text/plain</a> | <a href="https://cdn.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.16.4">MISC cdn.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.16.4</a> |

|                                                                                                       |                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Re: [PATCH 1/2] usb: gadget:<br>udc: core: update<br>usb_ep_queue() documentation<br>— Linux USB      | <a href="#">Mailing List</a><br><a href="#">Patch</a><br><a href="#">Third Party Advisory</a><br><a href="#">www.spinics.net</a><br><a href="#">text/html</a> |  MISC <a href="http://www.spinics.net/lists/linux-usb/msg167355.html">www.spinics.net/lists/linux-usb/msg167355.html</a>                                                                                                                             |
| usb: dwc3: gadget: never call -<br>>complete() from ->ep_queue() ·<br>torvalds/linux@c91815b · GitHub | <a href="#">Patch</a><br><a href="#">Third Party Advisory</a><br><a href="#">github.com</a><br><a href="#">text/html</a>                                      |  MISC <a href="https://github.com/torvalds/linux/commit/c91815b596245fd7da349ecc43c8def670d2269e">github.com/torvalds/linux/commit/c91815b596245fd7da349ecc43c8def670d2269e</a>                                                                     |
| Re: [PATCH 1/2] usb: gadget:<br>udc: core: update<br>usb_ep_queue() documentation<br>— Linux USB      | <a href="#">Mailing List</a><br><a href="#">Patch</a><br><a href="#">Third Party Advisory</a><br><a href="#">www.spinics.net</a><br><a href="#">text/html</a> |  MISC <a href="http://www.spinics.net/lists/linux-usb/msg167393.html">www.spinics.net/lists/linux-usb/msg167393.html</a>                                                                                                                            |
| USN-4118-1: Linux kernel (AWS)<br>vulnerabilities   Ubuntu security<br>notices   Ubuntu               | <a href="#">usn.ubuntu.com</a><br><a href="#">text/html</a>                                                                                                   |  UBUNTU USN-4118-1                                                                                                                                                                                                                                  |
| kernel/git/torvalds/linux.git - Linux<br>kernel source tree                                           | <a href="#">Mailing List</a><br><a href="#">Patch</a><br><a href="#">Vendor Advisory</a><br><a href="#">git.kernel.org</a><br><a href="#">text/html</a>       |  MISC <a href="https://git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit/?id=072684e8c58d17e853f8e8b9f6d9ce2e58d2b036">git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit/?id=072684e8c58d17e853f8e8b9f6d9ce2e58d2b036</a> |
| kernel/git/torvalds/linux.git - Linux<br>kernel source tree                                           | <a href="#">Mailing List</a><br><a href="#">Patch</a><br><a href="#">Vendor Advisory</a><br><a href="#">git.kernel.org</a><br><a href="#">text/html</a>       |  MISC <a href="https://git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit/?id=c91815b596245fd7da349ecc43c8def670d2269e">git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit/?id=c91815b596245fd7da349ecc43c8def670d2269e</a> |
| USN-4115-1: Linux kernel<br>vulnerabilities   Ubuntu security<br>notices   Ubuntu                     | <a href="#">usn.ubuntu.com</a><br><a href="#">text/html</a>                                                                                                   |  UBUNTU USN-4115-1                                                                                                                                                                                                                                |
| USB: gadget: f_hid: fix deadlock<br>in f_hidg_write() ·<br>torvalds/linux@072684e · GitHub            | <a href="#">Patch</a><br><a href="#">Third Party Advisory</a><br><a href="#">github.com</a><br><a href="#">text/html</a>                                      |  MISC <a href="https://github.com/torvalds/linux/commit/072684e8c58d17e853f8e8b9f6d9ce2e58d2b036">github.com/torvalds/linux/commit/072684e8c58d17e853f8e8b9f6d9ce2e58d2b036</a>                                                                   |

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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 |
| Operating System                         | <a href="#">Canonical</a> | <a href="#">Ubuntu Linux</a> | 16.04   | All    | All     | All      |
| Operating System                         | <a href="#">Canonical</a> | <a href="#">Ubuntu Linux</a> | 18.04   | All    | All     | All      |
| Operating System                         | <a href="#">Linux</a>     | <a href="#">Linux Kernel</a> | All     | All    | All     | All      |
| Operating Svstem                         | <a href="#">Linux</a>     | <a href="#">Linux Kernel</a> | All     | All    | All     | All      |

System

cpe:2.3:o:canonical:ubuntu\_linux:16.04:\*:\*:\*:esm:\*:\*:

cpe:2.3:o:canonical:ubuntu\_linux:18.04:\*:\*:\*:lts:\*:\*:

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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