



# CVE-2015-7885

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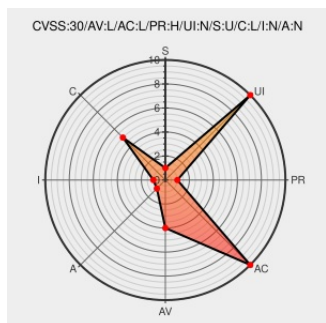
## CVE-2015-7885

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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

The dgnc\_mgmt\_ioctl function in drivers/staging/dgnc/dgnc\_mgmt.c in the Linux kernel through 4.3.3 does not initialize a certain structure member, which allows local users to obtain sensitive information from kernel memory via a crafted application.

CVE-2015-7885 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as [LOW](#) severity.

CVSS3 Score: [2.3 - LOW](#)

| Attack Vector             | Attack Complexity      | Privileges Required  | User Interaction     |
|---------------------------|------------------------|----------------------|----------------------|
| <a href="#">LOCAL</a>     | <a href="#">LOW</a>    | <a href="#">HIGH</a> | <a href="#">NONE</a> |
| Scope                     | Confidentiality Impact | Integrity Impact     | Availability Impact  |
| <a href="#">UNCHANGED</a> | <a href="#">LOW</a>    | <a href="#">NONE</a> | <a href="#">NONE</a> |

CVSS2 Score: [2.1 - LOW](#)

| Access Vector           | Access Complexity    | Authentication       |
|-------------------------|----------------------|----------------------|
| <a href="#">LOCAL</a>   | <a href="#">LOW</a>  | <a href="#">NONE</a> |
| Confidentiality Impact  | Integrity Impact     | Availability Impact  |
| <a href="#">PARTIAL</a> | <a href="#">NONE</a> | <a href="#">NONE</a> |

## CVE References

| Description                                       | Tags                                                        | Link                              |
|---------------------------------------------------|-------------------------------------------------------------|-----------------------------------|
| USN-2843-1: Linux kernel vulnerabilities   Ubuntu | <a href="#">www.ubuntu.com</a><br><a href="#">text/html</a> | <a href="#">UBUNTU USN-2843-1</a> |
| USN-2843-3: Linux kernel (Raspberry Pi 2)         | <a href="#">www.ubuntu.com</a><br><a href="#">text/html</a> | <a href="#">UBUNTU USN-2843-3</a> |

## vulnerabilities | Ubuntu

|                                                                                                          |                                                                                    |                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| kernel/git/torvalds/linux.git - Linux kernel source tree                                                 | <a href="https://git.kernel.org">git.kernel.org</a><br>text/html                   |  CONFIRM <a href="https://git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit?id=4b6184336ebb5c8dc1eae7f7ab46ee608a748b05">git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit/?id=4b6184336ebb5c8dc1eae7f7ab46ee608a748b05</a> |
| USN-2841-2: Linux kernel (Trusty HWE) vulnerabilities   Ubuntu                                           | <a href="https://www.ubuntu.com">www.ubuntu.com</a><br>text/html                   |  UBUNTU USN-2841-2                                                                                                                                                                                                                                    |
| USN-2842-1: Linux kernel vulnerabilities   Ubuntu                                                        | <a href="https://www.ubuntu.com">www.ubuntu.com</a><br>text/html                   |  UBUNTU USN-2842-1                                                                                                                                                                                                                                    |
| Linux Kernel Flaw Lets Local Users View Portions of System Memory on the Target System - SecurityTracker | <a href="https://www.securitytracker.com">www.securitytracker.com</a><br>text/html |  SECTRAK 1034896                                                                                                                                                                                                                                      |
| Linux Kernel Multiple Local Information Disclosure Vulnerabilities                                       | <a href="https://cve.report">cve.report (archive)</a><br>text/html                 |  BID 77317                                                                                                                                                                                                                                            |
| Bug 1274728 – CVE-2015-7885 kernel: staging/dgnc: information leak in ioctl                              | <a href="https://bugzilla.redhat.com">bugzilla.redhat.com</a><br>text/html         |  CONFIRM <a href="https://bugzilla.redhat.com/show_bug.cgi?id=1274728">bugzilla.redhat.com/show_bug.cgi?id=1274728</a>                                                                                                                                |
| USN-2844-1: Linux kernel (Utopic HWE) vulnerabilities   Ubuntu                                           | <a href="https://www.ubuntu.com">www.ubuntu.com</a><br>text/html                   |  UBUNTU USN-2844-1                                                                                                                                                                                                                                    |
| USN-2841-1: Linux kernel vulnerabilities   Ubuntu                                                        | <a href="https://www.ubuntu.com">www.ubuntu.com</a><br>text/html                   |  UBUNTU USN-2841-1                                                                                                                                                                                                                                   |
| USN-2842-2: Linux kernel (Vivid HWE) vulnerabilities   Ubuntu                                            | <a href="https://www.ubuntu.com">www.ubuntu.com</a><br>text/html                   |  UBUNTU USN-2842-2                                                                                                                                                                                                                                  |
| oss-security - Re: CVE Request: Linux Kernel ioctl infoleaks on vivid-osd and dgnc                       | <a href="https://www.openwall.com">www.openwall.com</a><br>text/html               |  MLIST [oss-security] 20151021 Re: CVE Request: Linux Kernel ioctl infoleaks on vivid-osd and dgnc                                                                                                                                                  |
| staging/dgnc: fix info leak in ioctl · torvalds/linux@4b61843 · GitHub                                   | <a href="https://github.com">github.com</a><br>text/html                           |  CONFIRM <a href="https://github.com/torvalds/linux/commit/4b6184336ebb5c8dc1eae7f7ab46ee608a748b05">github.com/torvalds/linux/commit/4b6184336ebb5c8dc1eae7f7ab46ee608a748b05</a>                                                                  |
| USN-2843-2: Linux kernel (Wily HWE) vulnerabilities   Ubuntu                                             | <a href="https://www.ubuntu.com">www.ubuntu.com</a><br>text/html                   |  UBUNTU USN-2843-2                                                                                                                                                                                                                                  |

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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 | Linux  | Linux Kernel | All     | All    | All     | All      |

cpe:2.3:o:linux:linux\_kernel:\*:\*:\*:\*:\*:\*:

No vendor comments have been submitted for this CVE

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