



# CVE-2011-4621

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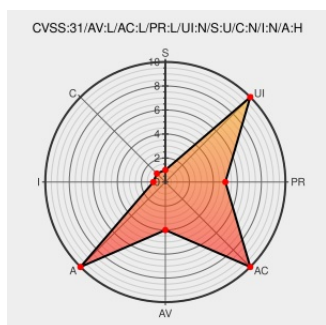
## CVE-2011-4621

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



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

The Linux kernel before 2.6.37 does not properly implement a certain clock-update optimization, which allows local users to cause a denial of service (system hang) via an application that executes code in a loop.

CVE-2011-4621 has been assigned by secalert@redhat.com 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                                                                                                                                                                      |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sched: fix skip_clock_update optimization · torvalds/linux@f26f9af · GitHub | <a href="#">Patch</a><br><a href="#">Third Party Advisory</a><br><a href="#">github.com</a><br><a href="#">text/html</a> | <a href="https://github.com/torvalds/linux/commit/f26f9aff6aaf67e9a430d16c266f91b13a5bff64">github.com/torvalds/linux/commit/f26f9aff6aaf67e9a430d16c266f91b13a5bff64</a> |

404 Not Found

Broken Link

ftp.osuosl.org

text/plain

Inactive Link

Not Archived

CONFIRM

ftp.osuosl.org/pub/linux/kernel/v2.6/ChangeLog-2.6.37

oss-security - Re: CVE Request -- kernel: tight loop and no preemption can cause system stall

Exploit

Mailing List

Patch

Third Party Advisory

www.openwall.com

text/html

MLIST [oss-security] 20111221 Re: CVE Request -- kernel: tight loop and no preemption can cause system stall

kernel/git/torvalds/linux.git - Linux kernel source tree

Mailing List

Patch

Vendor Advisory

web.archive.org

text/html

Inactive Link

Not Archived

MISC

git.kernel.org/?p=linux/kernel/git/torvalds/linux-2.6.git%3Ba=commit%3Bh=f26f9aff6aaf67e9a430d16c266f91b13a5bff64

Bug 769711 – CVE-2011-4621 kernel: tight loop and no preemption can cause system stall

Issue Tracking

Patch

Third Party Advisory

bugzilla.redhat.com

text/html

CONFIRM

bugzilla.redhat.com/show\_bug.cgi?id=769711

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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      |
| 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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**CVE.report and Source URL Uptime Status** [status.cve.report](https://status.cve.report)