

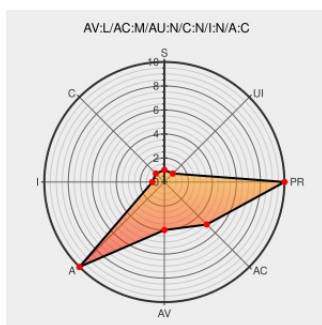


# CVE-2013-2146

Published on: 06/07/2013 12:00:00 AM UTC

Last Modified on: 02/13/2023 12:28:00 AM UTC

## CVE-2013-2146

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

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

arch/x86/kernel/cpu/perf\_event\_intel.c in the Linux kernel before 3.8.9, when the Performance Events Subsystem is enabled, specifies an incorrect bitmask, which allows local users to cause a denial of service (general protection fault and system crash) by attempting to set a reserved bit.

CVE-2013-2146 has been assigned by [secalert@redhat.com](#) to track the vulnerability

CVSS2 Score: **4.7 - MEDIUM**

Access  
Vector

LOCAL

Access  
Complexity

MEDIUM

Authentication

NONE

Confidentiality  
Impact

NONE

Integrity  
Impact

NONE

Availability  
Impact

COMPLETE

## CVE References

Description

Tags

Link

perf/x86: Fix offcore\_rsp  
valid mask for SNB/IVB ·  
torvalds/linux@f192382 ·  
GitHub

Exploit  
Patch  
github.com  
text/html

CONFIRM  
[github.com/torvalds/linux/commit/f1923820c447e986a9da0fc6bf60c1dccdf0408e](https://github.com/torvalds/linux/commit/f1923820c447e986a9da0fc6bf60c1dccdf0408e)

oss-security - Re: CVE  
Request: More perf security  
fixes

[www.openwall.com](https://www.openwall.com)  
text/html

MLIST [oss-security] 20130605 Re: CVE Request: More perf security fixes

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

[web.archive.org](https://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=f1923820c447e986a9da0fc6bf60c1dccdf0408e](https://git.kernel.org/?p=linux/kernel/git/torvalds/linux-2.6.git%3Ba=commit%3Bh=f1923820c447e986a9da0fc6bf60c1dccdf0408e)

[www.kernel.org](https://www.kernel.org)  
text/plain

CONFIRM [www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.8.9](https://www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.8.9)

971309 – (CVE-2013-2146)  
CVE-2013-2146 Kernel:  
perf/x86: offcore\_rsp valid  
mask for SNB/IVB

[bugzilla.redhat.com](#)  
[text/html](#)

 [CONFIRM bugzilla.redhat.com/show\\_bug.cgi?id=971309](#)

Red Hat Customer Portal

[web.archive.org](#)  
[text/html](#)  

Inactive Link Not Archived

 [REDHAT RHSA-2013:1173](#)

Support / Security /  
Advisories // MDVSA-  
2013:176 | Mandriva

[www.mandriva.com](#)  
[text/html](#)

 [MANDRIVA MDVSA-2013:176](#)

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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 | 3.8.0   | All    | All     | All      |
| Operating System                         | Linux  | Linux Kernel | 3.8.1   | All    | All     | All      |
| Operating System                         | Linux  | Linux Kernel | 3.8.2   | All    | All     | All      |
| Operating System                         | Linux  | Linux Kernel | 3.8.3   | All    | All     | All      |
| Operating System                         | Linux  | Linux Kernel | 3.8.4   | All    | All     | All      |
| Operating System                         | Linux  | Linux Kernel | 3.8.5   | All    | All     | All      |
| Operating System                         | Linux  | Linux Kernel | 3.8.6   | All    | All     | All      |
| Operating System                         | Linux  | Linux Kernel | 3.8.7   | All    | All     | All      |
| Operating System                         | Linux  | Linux Kernel | 3.8.0   | All    | All     | All      |
| Operating System                         | Linux  | Linux Kernel | 3.8.1   | All    | All     | All      |
| Operating System                         | Linux  | Linux Kernel | 3.8.2   | All    | All     | All      |
| Operating System                         | Linux  | Linux Kernel | 3.8.3   | All    | All     | All      |
| Operating System                         | Linux  | Linux Kernel | 3.8.4   | All    | All     | All      |
| Operating System                         | Linux  | Linux Kernel | 3.8.5   | All    | All     | All      |

| Operating System                           | Linux | Linux Kernel | 3.8.6 | All | All | All |
|--------------------------------------------|-------|--------------|-------|-----|-----|-----|
| Operating System                           | Linux | Linux Kernel | 3.8.6 | All | All | All |
| Operating System                           | Linux | Linux Kernel | 3.8.7 | All | All | All |
| Operating System                           | Linux | Linux Kernel | All   | All | All | All |
| cpe:2.3:o:linux:linux_kernel:3.8.0:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:3.8.1:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:3.8.2:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:3.8.3:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:3.8.4:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:3.8.5:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:3.8.6:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:3.8.7:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:3.8.0:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:3.8.1:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:3.8.2:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:3.8.3:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:3.8.4:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:3.8.5:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:3.8.6:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:3.8.7:*****:* |       |              |       |     |     |     |
| cpe:2.3:o:linux:linux_kernel:*****:*       |       |              |       |     |     |     |

No vendor comments have been submitted for this CVE

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