

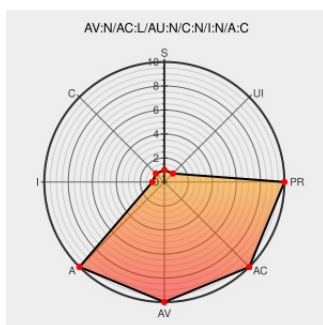


CVE-2012-3412

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CVE-2012-3412

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

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

The sfc (aka Solarflare Solarstorm) driver in the Linux kernel before 3.2.30 allows remote attackers to cause a denial of service (DMA descriptor consumption and network-controller outage) via crafted TCP packets that trigger a small MSS value.

CVE-2012-3412 has been assigned by secalert@redhat.com to track the vulnerability

CVSS2 Score: **7.8 - HIGH**

Access
Vector

NETWORK

Access
Complexity

LOW

Authentication

NONE

Confidentiality
Impact

NONE

Integrity
Impact

NONE

Availability
Impact

COMPLETE

CVE References

Description

Tags

Link

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USN-1567-1: Linux kernel vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-1567-1
About Secunia Research Flexera	secunia.com Deprecated Link text/plain	 SECUNIA 50811
	www.kernel.org text/plain	 CONFIRM www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.2.30
[security-announce] openSUSE-SU-2012:1330-1: important: kernel: security	lists.opensuse.org text/html	 SUSE openSUSE-SU-2012:1330
Security Advisory SA50633 - Ubuntu update for kernel - Secunia	web.archive.org text/html	 SECUNIA 50633
USN-1580-1: Linux kernel (OMAP4) vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-1580-1
USN-1578-1: Linux kernel (OMAP4) vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-1578-1
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USN-1575-1: Linux kernel (Oneiric backport) vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-1575-1
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sfc: Fix maximum number of TSO segments and minimum TX queue size · torvalds/linux@68cb695 · GitHub	Exploit github.com text/html	 CONFIRM github.com/torvalds/linux/commit/68cb695ccec949d48949e72f8ce591fdaaa325c
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Security Alerts - Secunia	web.archive.org	 SECUNIA 50732

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Security Advisory SA51193 - OpenVZ update for kernel - Secunia	web.archive.org text/html	 SECUNIA 51193
USN-1568-1: Linux kernel vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-1568-1
oss-security - Remote DoS in Linux sfc driver through TCP MSS option (CVE-2012-3412)	www.openwall.com text/html	 MLIST [oss-security] 20120803 Remote DoS in Linux sfc driver through TCP MSS option (CVE-2012-3412)
USN-1572-1: Linux kernel vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-1572-1
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USN-1577-1: Linux kernel (OMAP4) vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-1577-1
844714 – (CVE-2012-3412) CVE-2012-3412 kernel: sfc: potential remote denial of service through TCP MSS option	bugzilla.redhat.com text/html	 CONFIRM bugzilla.redhat.com/show_bug.cgi?id=844714

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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	Canonical	Ubuntu Linux	10.04	All	All	All
Operating System	Canonical	Ubuntu Linux	11.04	All	All	All
Operating System	Canonical	Ubuntu Linux	11.10	All	All	All
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	3.2	All	All	All
Operating System	Linux	Linux Kernel	3.2.1	All	All	All

System						
Operating System	Linux	Linux Kernel	3.2.10	All	All	All
Operating System	Linux	Linux Kernel	3.2.11	All	All	All
Operating System	Linux	Linux Kernel	3.2.12	All	All	All
Operating System	Linux	Linux Kernel	3.2.13	All	All	All
Operating System	Linux	Linux Kernel	3.2.14	All	All	All
Operating System	Linux	Linux Kernel	3.2.15	All	All	All
Operating System	Linux	Linux Kernel	3.2.16	All	All	All
Operating System	Linux	Linux Kernel	3.2.17	All	All	All
Operating System	Linux	Linux Kernel	3.2.18	All	All	All
Operating System	Linux	Linux Kernel	3.2.19	All	All	All
Operating System	Linux	Linux Kernel	3.2.20	All	All	All
Operating System	Linux	Linux Kernel	3.2.21	All	All	All
Operating System	Linux	Linux Kernel	3.2.22	All	All	All
Operating System	Linux	Linux Kernel	3.2.23	All	All	All
Operating System	Linux	Linux Kernel	3.2.24	All	All	All
Operating System	Linux	Linux Kernel	3.2.25	All	All	All
Operating System	Linux	Linux Kernel	3.2.26	All	All	All
Operating System	Linux	Linux Kernel	3.2.27	All	All	All
Operating System	Linux	Linux Kernel	3.2.28	All	All	All
Operating System	Linux	Linux Kernel	3.2.3	All	All	All
Operating System	Linux	Linux Kernel	3.2.4	All	All	All
Operating System	Linux	Linux Kernel	3.2.5	All	All	All
Operating	Linux	Linux Kernel	3.2.6	All	All	All

System						
Operating System	Linux	Linux Kernel	3.2.7	All	All	All
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Operating System	Linux	Linux Kernel	3.2.9	All	All	All
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System						
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Operating System	Linux	Linux Kernel	3.2.6	All	All	All
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cpe:2.3:o:linux:linux_kernel:3.2.4:*****:
cpe:2.3:o:linux:linux_kernel:3.2.5:*****:
cpe:2.3:o:linux:linux_kernel:3.2.6:*****:
cpe:2.3:o:linux:linux_kernel:3.2.7:*****:
cpe:2.3:o:linux:linux_kernel:3.2.8:*****:
cpe:2.3:o:linux:linux_kernel:3.2.9:*****:
cpe:2.3:o:linux:linux_kernel:*****:

No vendor comments have been submitted for this CVE

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