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1. [Ubuntu Security Notices](#)
2. USN-3826-1

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## USN-3826-1: QEMU vulnerabilities

Publication date

26 November 2018

Overview

Several security issues were fixed in QEMU.

Releases

[18.10](#) [18.04 LTS](#) [16.04 LTS](#) [14.04 LTS](#)

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It was discovered that QEMU incorrectly handled the Slirp networking back-end. A privileged attacker inside the guest could use this issue to cause QEMU to crash, resulting in a denial of service, or possibly execute arbitrary code on the host. In the default installation, when QEMU is used with libvirt, attackers would be isolated by the libvirt AppArmor profile. This issue only affected Ubuntu 14.04 LTS, Ubuntu 16.04 LTS and Ubuntu 18.04 LTS. ([CVE-2018-11806](#))

Fakhri Zulkifli discovered that the QEMU guest agent incorrectly handled certain QMP commands. An attacker could possibly use this issue to crash the QEMU guest agent,...

Show more

## Update instructions

After a standard system update you need to restart all QEMU virtual machines to make all the necessary changes.

[Learn more about how to get the fixes.](#)

The problem can be corrected by updating your system to the following package versions:

Ubuntu Release	Package Version
18.10 cosmic	<a href="#">qemu-system</a> <a href="https://launchpad.net/ubuntu/+source/qemu"> &lt;https://launchpad.net/ubuntu/+source/qemu&gt;</a> – <a href="#">1:2.12+dfsg-3ubuntu8.1</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.12+dfsg-3ubuntu8.1"> &lt;https://launchpad.net/ubuntu/+source/qemu/1:2.12+dfsg-3ubuntu8.1&gt;</a>
	<a href="#">qemu-system-arm</a> <a href="https://launchpad.net/ubuntu/+source/qemu"> &lt;https://launchpad.net/ubuntu/+source/qemu&gt;</a> – <a href="#">1:2.12+dfsg-3ubuntu8.1</a>

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Ubuntu Release	Package Version
	<a href="#">1:2.12+dfsg-3ubuntu8.1</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.12+dfsg-3ubuntu8.1">https://launchpad.net/ubuntu/+source/qemu/1:2.12+dfsg-3ubuntu8.1</a>
	<a href="#">qemu-system-ppc</a> <a href="https://launchpad.net/ubuntu/+source/qemu">https://launchpad.net/ubuntu/+source/qemu</a> – <a href="#">1:2.12+dfsg-3ubuntu8.1</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.12+dfsg-3ubuntu8.1">https://launchpad.net/ubuntu/+source/qemu/1:2.12+dfsg-3ubuntu8.1</a>
	<a href="#">qemu-system-s390x</a> <a href="https://launchpad.net/ubuntu/+source/qemu">https://launchpad.net/ubuntu/+source/qemu</a> – <a href="#">1:2.12+dfsg-3ubuntu8.1</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.12+dfsg-3ubuntu8.1">https://launchpad.net/ubuntu/+source/qemu/1:2.12+dfsg-3ubuntu8.1</a>
	<a href="#">qemu-system-sparc</a> <a href="https://launchpad.net/ubuntu/+source/qemu">https://launchpad.net/ubuntu/+source/qemu</a> – <a href="#">1:2.12+dfsg-3ubuntu8.1</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.12+dfsg-3ubuntu8.1">https://launchpad.net/ubuntu/+source/qemu/1:2.12+dfsg-3ubuntu8.1</a>
	<a href="#">qemu-system-x86</a> <a href="https://launchpad.net/ubuntu/+source/qemu">https://launchpad.net/ubuntu/+source/qemu</a> – <a href="#">1:2.12+dfsg-3ubuntu8.1</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.12+dfsg-3ubuntu8.1">https://launchpad.net/ubuntu/+source/qemu/1:2.12+dfsg-3ubuntu8.1</a>
<b>18.04 LTS bionic</b>	<a href="#">qemu-system</a> <a href="https://launchpad.net/ubuntu/+source/qemu">https://launchpad.net/ubuntu/+source/qemu</a> – <a href="#">1:2.11+dfsg-1ubuntu7.8</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.11+dfsg-1ubuntu7.8">https://launchpad.net/ubuntu/+source/qemu/1:2.11+dfsg-1ubuntu7.8</a>
	<a href="#">qemu-system-arm</a>

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Ubuntu Release	Package Version
	<a href="#">qemu-system-misc</a> <a href="https://launchpad.net/ubuntu/+source/qemu"> &lt;https://launchpad.net/ubuntu/+source/qemu&gt;</a> – <a href="#">1:2.11+dfsg-1ubuntu7.8</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.11+dfsg-1ubuntu7.8"> &lt;https://launchpad.net/ubuntu/+source/qemu/1:2.11+dfsg-1ubuntu7.8&gt;</a>
	<a href="#">qemu-system-ppc</a> <a href="https://launchpad.net/ubuntu/+source/qemu"> &lt;https://launchpad.net/ubuntu/+source/qemu&gt;</a> – <a href="#">1:2.11+dfsg-1ubuntu7.8</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.11+dfsg-1ubuntu7.8"> &lt;https://launchpad.net/ubuntu/+source/qemu/1:2.11+dfsg-1ubuntu7.8&gt;</a>
	<a href="#">qemu-system-s390x</a> <a href="https://launchpad.net/ubuntu/+source/qemu"> &lt;https://launchpad.net/ubuntu/+source/qemu&gt;</a> – <a href="#">1:2.11+dfsg-1ubuntu7.8</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.11+dfsg-1ubuntu7.8"> &lt;https://launchpad.net/ubuntu/+source/qemu/1:2.11+dfsg-1ubuntu7.8&gt;</a>
	<a href="#">qemu-system-sparc</a> <a href="https://launchpad.net/ubuntu/+source/qemu"> &lt;https://launchpad.net/ubuntu/+source/qemu&gt;</a> – <a href="#">1:2.11+dfsg-1ubuntu7.8</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.11+dfsg-1ubuntu7.8"> &lt;https://launchpad.net/ubuntu/+source/qemu/1:2.11+dfsg-1ubuntu7.8&gt;</a>
	<a href="#">qemu-system-x86</a> <a href="https://launchpad.net/ubuntu/+source/qemu"> &lt;https://launchpad.net/ubuntu/+source/qemu&gt;</a> – <a href="#">1:2.11+dfsg-1ubuntu7.8</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.11+dfsg-1ubuntu7.8"> &lt;https://launchpad.net/ubuntu/+source/qemu/1:2.11+dfsg-1ubuntu7.8&gt;</a>
<b>16.04 LTS xenial</b>	<a href="#">qemu-system</a> <a href="https://launchpad.net/ubuntu/+source/qemu"> &lt;https://launchpad.net/ubuntu/+source/qemu&gt;</a> – <a href="#">1:2.5+dfsg-5ubuntu10.33</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.5+dfsg-5ubuntu10.33"> &lt;https://launchpad.net/ubuntu/+source/qemu/1:2.5+dfsg-5ubuntu10.33&gt;</a>

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Ubuntu Release	Package Version
	<a href="https://launchpad.net/ubuntu/+source/qemu/1:2.5+dfsg-5ubuntu10.33">https://launchpad.net/ubuntu/+source/qemu/1:2.5+dfsg-5ubuntu10.33</a>
	<a href="#">qemu-system-mips</a> <a href="https://launchpad.net/ubuntu/+source/qemu">https://launchpad.net/ubuntu/+source/qemu</a> – <a href="#">1:2.5+dfsg-5ubuntu10.33</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.5+dfsg-5ubuntu10.33">https://launchpad.net/ubuntu/+source/qemu/1:2.5+dfsg-5ubuntu10.33</a>
	<a href="#">qemu-system-misc</a> <a href="https://launchpad.net/ubuntu/+source/qemu">https://launchpad.net/ubuntu/+source/qemu</a> – <a href="#">1:2.5+dfsg-5ubuntu10.33</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.5+dfsg-5ubuntu10.33">https://launchpad.net/ubuntu/+source/qemu/1:2.5+dfsg-5ubuntu10.33</a>
	<a href="#">qemu-system-ppc</a> <a href="https://launchpad.net/ubuntu/+source/qemu">https://launchpad.net/ubuntu/+source/qemu</a> – <a href="#">1:2.5+dfsg-5ubuntu10.33</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.5+dfsg-5ubuntu10.33">https://launchpad.net/ubuntu/+source/qemu/1:2.5+dfsg-5ubuntu10.33</a>
	<a href="#">qemu-system-s390x</a> <a href="https://launchpad.net/ubuntu/+source/qemu">https://launchpad.net/ubuntu/+source/qemu</a> – <a href="#">1:2.5+dfsg-5ubuntu10.33</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.5+dfsg-5ubuntu10.33">https://launchpad.net/ubuntu/+source/qemu/1:2.5+dfsg-5ubuntu10.33</a>
	<a href="#">qemu-system-sparc</a> <a href="https://launchpad.net/ubuntu/+source/qemu">https://launchpad.net/ubuntu/+source/qemu</a> – <a href="#">1:2.5+dfsg-5ubuntu10.33</a> <a href="https://launchpad.net/ubuntu/+source/qemu/1:2.5+dfsg-5ubuntu10.33">https://launchpad.net/ubuntu/+source/qemu/1:2.5+dfsg-5ubuntu10.33</a>
	<a href="#">qemu-system-x86</a> <a href="https://launchpad.net/ubuntu/+source/qemu">https://launchpad.net/ubuntu/+source/qemu</a> –

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Ubuntu Release	Package Version
	<a href="#">qemu-system-aarch64</a> <a href="https://launchpad.net/ubuntu/+source/qemu"> &lt;https://launchpad.net/ubuntu/+source/qemu&gt;</a> – <a href="#">2.0.0+dfsg-2ubuntu1.44</a> <a href="https://launchpad.net/ubuntu/+source/qemu/2.0.0+dfsg-2ubuntu1.44"> &lt;https://launchpad.net/ubuntu/+source/qemu/2.0.0+dfsg-2ubuntu1.44&gt;</a>
	<a href="#">qemu-system-arm</a> <a href="https://launchpad.net/ubuntu/+source/qemu"> &lt;https://launchpad.net/ubuntu/+source/qemu&gt;</a> – <a href="#">2.0.0+dfsg-2ubuntu1.44</a> <a href="https://launchpad.net/ubuntu/+source/qemu/2.0.0+dfsg-2ubuntu1.44"> &lt;https://launchpad.net/ubuntu/+source/qemu/2.0.0+dfsg-2ubuntu1.44&gt;</a>
	<a href="#">qemu-system-mips</a> <a href="https://launchpad.net/ubuntu/+source/qemu"> &lt;https://launchpad.net/ubuntu/+source/qemu&gt;</a> – <a href="#">2.0.0+dfsg-2ubuntu1.44</a> <a href="https://launchpad.net/ubuntu/+source/qemu/2.0.0+dfsg-2ubuntu1.44"> &lt;https://launchpad.net/ubuntu/+source/qemu/2.0.0+dfsg-2ubuntu1.44&gt;</a>
	<a href="#">qemu-system-misc</a> <a href="https://launchpad.net/ubuntu/+source/qemu"> &lt;https://launchpad.net/ubuntu/+source/qemu&gt;</a> – <a href="#">2.0.0+dfsg-2ubuntu1.44</a> <a href="https://launchpad.net/ubuntu/+source/qemu/2.0.0+dfsg-2ubuntu1.44"> &lt;https://launchpad.net/ubuntu/+source/qemu/2.0.0+dfsg-2ubuntu1.44&gt;</a>
	<a href="#">qemu-system-ppc</a> <a href="https://launchpad.net/ubuntu/+source/qemu"> &lt;https://launchpad.net/ubuntu/+source/qemu&gt;</a> – <a href="#">2.0.0+dfsg-2ubuntu1.44</a> <a href="https://launchpad.net/ubuntu/+source/qemu/2.0.0+dfsg-2ubuntu1.44"> &lt;https://launchpad.net/ubuntu/+source/qemu/2.0.0+dfsg-2ubuntu1.44&gt;</a>
	<a href="#">qemu-system-sparc</a> <a href="https://launchpad.net/ubuntu/+source/qemu"> &lt;https://launchpad.net/ubuntu/+source/qemu&gt;</a> – <a href="#">2.0.0+dfsg-2ubuntu1.44</a> <a href="https://launchpad.net/ubuntu/+source/qemu/2.0.0+dfsg-2ubuntu1.44"> &lt;https://launchpad.net/ubuntu/+source/qemu/2.0.0+dfsg-2ubuntu1.44&gt;</a>

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## Reduce your security exposure

Ubuntu Pro provides ten-year security coverage to 25,000+ packages in Main and Universe repositories, and it is free for up to five machines.

[Get Ubuntu Pro](#)

## References

- [CVE-2018-19364](#)
- [CVE-2018-18954](#)
- [CVE-2018-18849](#)
- [CVE-2018-17963](#)
- [CVE-2018-17962](#)
- [CVE-2018-17958](#)
- [CVE-2018-16847](#)
- [CVE-2018-12617](#)
- [CVE-2018-11806](#)
- [CVE-2018-10839](#)

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