



Linux Ubuntu 22.4.5 Manual Pages on command 'kvm-ok.1'

\$ man kvm-ok.1

kvm-ok(1) cpu-checker kvm-ok(1)

NAME

kvm-ok - determine if this system is capable of running hardware accelerated KVM virtual machines (ie, possesses Virtualization Technology)

DESCRIPTION

kvm-ok is a program that will determine if the locate system can host hardware accelerated KVM virtual machines.

The program will first determine if /proc/cpuinfo contains the flags indicating that the CPU has the Virtualization Technology (VT) capability.

Next, it will check if the /dev/kvm device exists.

If running as root, it will check your CPU's MSR's to see if VT is disabled in the BIOS.

In some failure cases, kvm-ok provides hints on how you might go about enabling KVM on a system where it is arbitrarily disabled.

If KVM can be used, this script will exit 0, otherwise it will exit non-zero.

SEE ALSO

kvm(1), dmesg(1)

FILES

/proc/cpuinfo, /dev/kvm

BUGS

The disabled-by-bios check currently scans dmesg(1) for a message displayed by the kernel. This is not ideal, in that a long-running system will eventually roll the

dmesg logs. The kernel should expose the disabled-by-bios flag in /proc/cpuinfo.

<https://bugs.launchpad.net/ubuntu/+source/linux/+bug/535373>

MORE INFORMATION

<http://launchpad.net/cpu-checker>

AUTHOR

This manpage and the utility was written by Dustin Kirkland <kirkland@canonical.com> for Ubuntu systems (but may be used by others). Permission is granted to copy, distribute and/or modify this document under the terms of the GNU General Public License, Version 3 published by the Free Software Foundation.

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cpu-checker

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