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 MSRs 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.

On Debian systems, the complete text of the GNU General Public License can be found in /usr/share/common-licenses/GPL-3.