



Linux Ubuntu 26.04 Manual Pages on command 'linux-update-symlinks.1'

\$ man linux-update-symlinks.1

LINUX-UPDATE-SYMLINKS(1) General Commands Manual LINUX-UPDATE-SYMLINKS(1)

NAME

linux-update-symlinks - maintain symlinks to default kernel and initramfs

SYNOPSIS

linux-update-symlinks {install|upgrade|remove} KERNEL-VER IMAGE-PATH

DESCRIPTION

linux-update-symlinks is intended to be called from the postinst and postrm maintainer scripts of Linux kernel packages. The postinst script must pass the first argument install or upgrade depending on whether a fresh installation or an upgrade has taken place.

The KERNEL-VER argument must be the kernel version string as shown by `uname -r` and used in filenames, not the package version.

The IMAGE-PATH argument must be the absolute filename of the kernel image.

By default, this command maintains symlinks in the root directory. This behaviour can be modified by settings in `/etc/kernel-img.conf`:

image_dest

Specifies the directory in which to maintain symlinks

link_in_boot

If set to a true value, specifies that the directory is `/boot`

do_symlinks

If set to a false value, disables maintenance of symlinks

The symlinks for the primary default kernel version are named `vmlinuz` or `vmlinux` (depending on whether the architecture normally uses compressed kernel images) and `initrd.img` (if it uses an `initramfs`). The symlinks for the secondary default have the same names with the

suffix .old.

If symlink maintenance is disabled, linux-update-symlinks does nothing, successfully. Otherwise it makes a list of kernel versions in decreasing order of priority:

- ? The given KERNEL-VER, if the first argument is install
- ? The current primary default version, if it exists and is not already listed
- ? The current secondary default version, if it exists and is not already listed
- ? All other versions whose files are installed, excluding the specified KERNEL-VER if the first argument is remove, in decreasing version order

The top two entries on the list are the new primary and secondary default versions, and it updates the symlinks accordingly. In case there is only one entry, this is both the primary and secondary default version. If there are no entries, there are no default versions and it removes the default symlinks.

ENVIRONMENT VARIABLES

INITRD When the first argument is install or upgrade, linux-update-symlinks assumes that the given KERNEL-VER will use an initramfs unless this variable is set to No.

FILES

/boot/initrd.img-*

Installed initramfs images

/boot/vmlinuz-* | /boot/vmlinux-*

Installed kernel images

/etc/kernel-img.conf

Configuration file specifying whether and where to create symlinks

/initrd.img

Symlink to the initramfs image for the primary default version

/initrd.img.old

Symlink to the initramfs image for the secondary default version

/vmlinuz | /vmlinux

Symlink to the kernel image for the primary default version

/vmlinuz.old | /vmlinux.old

Symlink to the kernel image for the secondary default version

AUTHOR

linux-update-symlinks and this manual page were written by Ben Hutchings as part of the Debian linux-base package.

SEE ALSO

kernel-img.conf(5), linux-version(1).

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