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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'grubby.8' command***

**\$ man grubby.8**

GRUBBY(8)                    System Manager's Manual                    GRUBBY(8)

### NAME

grubby - command line tool for configuring grub and zipl

### SYNOPSIS

```
grubby [--add-kernel=kernel-path] [--args=args]
        [--bad-image-okay] [--config-file=path] [--copy-default]
        [--default-kernel] [--default-index] [--default-title]
        [--env=path] [--grub2] [--info=kernel-path]
        [--initrd=initrd-path] [--extra-initrd=initrd-path]
        [--make-default] [--remove-args=args]
        [--remove-kernel=kernel-path] [--set-default=kernel-path]
        [--set-default-index=entry-index] [--title=ntry-title]
        [--update-kernel=kernel-path] [--zipl] [--bls-directory=path]
```

### DESCRIPTION

grubby is a command line tool for updating and displaying information about the configuration files for the grub2 and zipl boot loaders. It is primarily designed to be used from scripts which install new kernels and need to find information about the current boot environment. On BIOS-based Intel x86 platforms, grub2 is the default bootloader and the configuration file is in /boot/grub2/grub.cfg. On UEFI-based Intel x86 platforms, grub2 is the default bootloader, and the configuration file is in /boot/efi/EFI/redhat/grub.cfg. On PowerPC platforms, systems based on Power8 and Power9 support grub2 as a bootloader and use a con?

figuration stored in /boot/grub2/grub.cfg. On s390x platforms the zipl bootloader use a default configuration in /etc/zipl.conf.

All bootloaders define the boot entries as individual configuration fragments that are stored by default in /boot/loader/entries. The format for the config files is specified at [https://sys?temd.io/BOOT\\_LOADER\\_SPECIFICATION](https://sys?temd.io/BOOT_LOADER_SPECIFICATION). The grubby tool is used to update and display the configuration defined in the BootLoaderSpec fragment files.

There are a number of ways to specify the kernel used for --info, --remove-kernel, and --update-kernel. Specifying DEFAULT or ALL selects the default entry and all of the entries, respectively. Also, the title of a boot entry may be specified by using TITLE=title as the argument; all entries with that title are used.

## OPTIONS

--add-kernel=kernel-path

Add a new boot entry for the kernel located at kernel-path.

--args=kernel-args

When a new kernel is added, this specifies the command line arguments which should be passed to the kernel by default (note they are merged with the arguments of the default entry if --copy-default is used). When --update-kernel is used, this specifies new arguments to add to the argument list. Multiple, space separated arguments may be used. If an argument already exists the new value replaces the old values. The root= kernel argument gets special handling if the configuration file has special handling for specifying the root filesystem.

--bad-image-okay

When grubby is looking for an entry to use for something (such as a default boot entry) it uses sanity checks, such as ensuring that the kernel exists in the filesystem, to make sure entries that obviously won't work aren't selected. This option overrides that behavior, and is designed primarily for testing.

--config-file=path

Use path as the configuration file rather than the default.

--copy-default

grubby will copy as much information (such as kernel arguments and root device) as possible from the current default kernel.

The kernel path and initrd path will never be copied.

--default-kernel

Display the full path to the current default kernel and exit.

--default-index

Display the numeric index of the current default boot entry and exit.

--default-title

Display the title of the current default boot entry and exit.

--env=path

Use path as the grub2 environment block file rather than the default path.

--grub2

Configure grub2 bootloader.

--info=kernel-path

Display information on all boot entries which match kernel-path.

If kernel-path is DEFAULT, then information on the default kernel is displayed. If kernel-path is ALL, then information on all boot entries are displayed.

--initrd=initrd-path

Use initrd-path as the path to an initial ram disk for a new kernel being added.

--extrainitrd=initrd-path

Use initrd-path as the path to an auxiliary init ram disk image to be added to the boot entry.

--make-default

Make the new kernel entry being added the default entry.

--remove-args=kernel-args

The arguments specified by kernel-args are removed from the kernels specified by --update-kernel. The root argument gets spe?

cial handling for configuration files that support separate root filesystem configuration.

`--remove-kernel=kernel-path`

Removes all boot entries which match `kernel-path`. This may be used along with `--add-kernel`, in which case the new kernel being added will never be removed.

`--set-default=kernel-path`

The first entry which boots the specified kernel is made the default boot entry.

`--set-default-index=entry-index`

Makes the given entry number the default boot entry.

`--title=entry-title`

When a new kernel entry is added `entry-title` is used as the title for the entry.

`--update-kernel=kernel-path`

The entries for kernels matching `kernel-path` are updated. Currently the only items that can be updated is the kernel argument list, which is modified via the `--args` and `--remove-args` options. If the `ALL` argument is used the variable `GRUB_CMDLINE_LINUX` in `/etc/default/grub` is updated with the latest kernel argument list, unless the `--no-etc-grub-update` option is used or the file does not exist (e.g., on s390x).

`--zipl` Configure zipl bootloader.

`--bls-directory=path`

Use `path` as the directory for the `BootLoaderSpec` config files rather than the default `/boot/loader/entries`.

`--no-etc-grub-update`

Makes grubby to not update the `GRUB_CMDLINE_LINUX` variable in `/etc/default/grub` when the `--update-kernel` option is used with the `ALL` argument.

SEE ALSO

`zipl(8)`, `mkinitrd(8)`, `kernel-install(8)`

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