

NAME

bootctl – Control the firmware and boot manager settings

SYNOPSIS

bootctl [OPTIONS...] {COMMAND}

DESCRIPTION

bootctl can check the EFI boot loader status, list available boot loaders and boot loader entries, and install, update, or remove the **systemd-boot**(7) boot loader on the current system.

OPTIONS

The following options are understood:

--esp-path=

Path to the EFI System Partition (ESP). If not specified, /efi/, /boot/, and /boot/efi are checked in turn. It is recommended to mount the ESP to /efi/, if possible.

--boot-path=

Path to the Extended Boot Loader partition, as defined in the [Boot Loader Specification](#)^[1]. If not specified, /boot/ are checked. It is recommended to mount the Extended Boot Loader partition to /boot/, if possible.

-p, --print-esp-path

This option modifies the behaviour of **status**. Prints only the path to the EFI System Partition (ESP) to standard output and exits.

--print-boot-path

This option modifies the behaviour of **status**. Prints only the path to the Extended Boot Loader partition if it exists, and the path to the ESP otherwise to standard output and exit. This command is useful to determine where to place boot loader entries, as they are preferably placed in the Extended Boot Loader partition if it exists and in the ESP otherwise.

--no-variables

Do not touch the firmware's boot loader list stored in EFI variables.

--no-pager

Do not pipe output into a pager.

-h, --help

Print a short help text and exit.

--version

Print a short version string and exit.

COMMANDS**status**

Shows brief information about the system firmware, the boot loader that was used to boot the system, the boot loaders currently available in the ESP, the boot loaders listed in the firmware's list of boot loaders and the current default boot loader entry. If no command is specified, this is the implied default.

install

Installs **systemd-boot** into the EFI system partition. A copy of **systemd-boot** will be stored as the EFI default/fallback loader at *ESP/EFI/BOOT/BOOT*.EFI*. The boot loader is then added to the top of the firmware's boot loader list.

update

Updates all installed versions of **systemd-boot**(7), if the available version is newer than the version installed in the EFI system partition. This also includes the EFI default/fallback loader at *ESP/EFI/BOOT/BOOT*.EFI*. The boot loader is then added to end of the firmware's boot loader list if missing.

remove

Removes all installed versions of **systemd-boot** from the EFI system partition and the firmware's boot loader list.

list

Shows all available boot loader entries implementing the [Boot Loader Specification](#)^[1], as well as any other entries discovered or automatically generated by the boot loader.

set-default ID, set-oneshot ID

Sets the default boot loader entry. Takes a single boot loader entry ID string as argument. The **set-oneshot** command will set the default entry only for the next boot, the **set-default** will set it persistently for all future boots.

EXIT STATUS

On success, 0 is returned, a non-zero failure code otherwise.

ENVIRONMENT

If `$SYSTEMD_RELAX_ESP_CHECKS=1` is set the validation checks for the ESP are relaxed, and the path specified with `--esp-path=` may refer to any kind of file system on any kind of partition.

Similarly, `$SYSTEMD_RELAX_XBOOTLDR_CHECKS=1` turns off some validation checks for the Extended Boot Loader partition.

SEE ALSO

systemd-boot(7), [Boot Loader Specification](#)^[1], [Boot Loader Interface](#)^[2]

NOTES

1. Boot Loader Specification
https://systemd.io/BOOT_LOADER_SPECIFICATION
2. Boot Loader Interface
https://systemd.io/BOOT_LOADER_INTERFACE