

# GRUB - Grand Unified Boot Loader

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## GRUBs responsibility in the boot process

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## GRUB Configuration Options

There are 2 directories to note when talking about GRUB;

`/etc/grub` - This directory stores configuration scripts that define boot entries for GRUB2.

`/boot/grub` - This directory stores the actual GRUB2 configuration files used during boot.

There are also 2 commands to note for GRUB configuration:

### `grubby`

- **Function:** `grubby` is a command-line tool that allows you to directly manipulate individual GRUB2 menu entries on your system. It provides functionalities for:
  - Setting the default boot entry
  - Adding, removing, or modifying existing entries
  - Changing boot order
  - Viewing information about current entries
- **Focus:** `grubby` operates on individual boot entries within the existing GRUB2 configuration.

### `grub2-mkconfig`

- **Function:** `grub2-mkconfig` (or sometimes shortened to `update-grub` on some systems) is a utility used to regenerate the GRUB2 configuration file (`grub.cfg`) located in `/boot/grub`. It reads configuration scripts from the `/etc/grub.d` directory.
- **Focus:** `grub2-mkconfig` focuses on rebuilding the entire GRUB2 configuration file based on the defined scripts. This ensures the `grub.cfg` file reflects any changes made to the configuration scripts in `/etc/grub.d`.

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