



# GRUB2/Config Variables

From Gentoo Wiki

< GRUB2 (/wiki/GRUB2)

This article provides a reference of the variables that may be set in `/etc/default/grub` to control the configuration file generated by **grub2-mkconfig**.

## General

Variable	Default	Description
<i>GRUB_DEFAULT</i>	0	Default menu entry selected on boot. May be a numeric index or a menu title.
<i>GRUB_TIMEOUT</i>	5	Delay before booting default menu entry. Set to <code>0</code> to boot immediately or <code>-1</code> to wait indefinitely.
<i>GRUB_DEVICE</i>	(detected)	Device node for the volume containing the root filesystem. Set this to override the <code>grub2-mkconfig</code> command's root device auto-detection. For example, <code>GRUB_DEVICE=/dev/ram0</code> will force <code>root=/dev/ram0</code> to be used in the kernel command line.
<i>GRUB_DEVICE_UUID</i>	(detected)	UUID of the root filesystem.
<i>GRUB_DISABLE_RECOVERY</i>	false	If true, recovery menu entries will not be generated. On Linux, recovery entries pass "single" on the kernel command-line.

**GRUB\_FONT** (detected) Font in pf2 format used during *gfxmode* display. Not setting one can prevent *gfxmode*.

pf2 fonts can be created using the **grub2-mkfont** utility. For example, to create a GRUB2 fp2 font from a TTF (True Text Font) called `DroidSansMonoSlash.ttf` run:

```
root # grub2-mkfont /usr/share/fonts/droid/DroidSansMonoSlashed.ttf --size=20 --output  
/boot/grub/fonts/DroidSansMonoSlashed20.pcf
```

To use the newly created font, set the **GRUB\_FONT** variable to the font's location.

#### CODE Example GRUB\_FONT configuration

```
GRUB_FONT=/boot/grub/fonts/DroidSansMonoSlashed20.pcf
```

## Linux

Variable	Default	Description
<i>GRUB_CMDLINE_LINUX</i>		Extra parameters to be passed on the kernel command line for all Linux menu entries. For instance, to support hibernation, users will need to add <code>GRUB_CMDLINE_LINUX="resume=/dev/sdXY"</code> with <code>/dev/sdXY</code> being the swap partition.
<i>GRUB_CMDLINE_LINUX_DEFAULT</i>		Extra parameters to be passed on the kernel command line for non-recovery Linux menu entries.
<i>GRUB_DISABLE_LINUX_UUID</i>	false	If true, <code>\${GRUB_DEVICE}</code> is passed in the root parameter on the kernel command line. If false, <code>\${GRUB_DEVICE_UUID}</code> is passed in the root parameter on the kernel command line when an <code>initramfs</code> is available.
<i>GRUB_GFXPAYLOAD_LINUX</i>	text	Controls the video mode in which the Linux kernel starts. May be set to "text", "keep", or a display resolution.

## Xen

Variable	Default	Description
<i>GRUB_CMDLINE_XEN</i>		Extra parameters to be passed on the Xen command line for all Xen menu entries. For instance, to have a timestamped Xen dmesg, users will need to add <code>GRUB_CMDLINE_XEN="console_timestamps=boot"</code> .

---

<i>GRUB_CMDLINE_XEN_DEFAULT</i>	Extra parameters to be passed on the Xen command line for non-recovery Xen menu entries.
<i>GRUB_CMDLINE_LINUX_XEN_REPLACE</i>	Overrides the <i>GRUB_CMDLINE_LINUX</i> variable from the above Linux section for Xen boot lines only.
<i>GRUB_CMDLINE_LINUX_XEN_REPLACE_DEFAULT</i>	Overrides the <i>GRUB_CMDLINE_LINUX_DEFAULT</i> variable from the above Linux section for Xen boot lines only. Users may prefer to start a specific softlevel for xen via <code>GRUB_CMDLINE_LINUX_XEN_REPLACE_DEFAULT="softlevel=xen"</code>

---

Retrieved from "[http://wiki.gentoo.org/index.php?title=GRUB2/Config\\_Variables&oldid=610698](http://wiki.gentoo.org/index.php?title=GRUB2/Config_Variables&oldid=610698) ([http://wiki.gentoo.org/index.php?title=GRUB2/Config\\_Variables&oldid=610698](http://wiki.gentoo.org/index.php?title=GRUB2/Config_Variables&oldid=610698))"

Category (/wiki/Special:Categories): Bootloaders (/wiki/Category:Bootloaders)

- This page was last modified on 18 February 2017, at 03:20.

**© 2001–2018 Gentoo Foundation, Inc.**

Gentoo is a trademark of the Gentoo Foundation, Inc. The contents of this document, unless otherwise expressly stated, are licensed under the CC-BY-SA-3.0 (<https://creativecommons.org/licenses/by-sa/3.0/>) license. The Gentoo Name and Logo Usage Guidelines (<https://www.gentoo.org/inside-gentoo/foundation/name-logo-guidelines.html>) apply.