

# GRUB 设置默认启动项

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原文链接: <https://ld246.com/article/1580103188714>

来源网站: [链滴](#)

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<p></p>

<h2 id="GRUB-设置默认启动项">GRUB 设置默认启动项</h2>

<p>原来在使用 NVIDIA 的官方。run 文件安装 NVIDIA 驱动程序的时候，需要安装 linux-headers 件，但是在操作的时候一不小心，安装了另一个内核。（原来的内核是 <code>5.4.15</code>，新装的内核版本为 <code>linux-lts 4.19.98-1</code>）。</p>

<p>所以想在开机的 GRUB 页面自动启用相应的内核，省去了手动选择的麻烦。</p>

<h2 id="解决方案">解决方案</h2>

<h3 id="1--查看-GRUB-启动菜单">1. 查看 GRUB 启动菜单</h3>

<p>通过查询关键字 <code>menuentry</code> 分析启动菜单的情况。</p>

<p>从下面的输出我们可以看到，现在的默认启动项为 <code>Arch Linux</code>，经测试这个动项的默认启动内核为 LTS 内核，如果你想切换为较新的内核，可以看到在 <code>Arch Linux</code> 的高级选项子菜单内有着使用哪个内核的提示。</p>

<ul>

<li><code>menuentry 'Arch Linux, with Linux linux-lts'</code>

<ul>

<li>此启动项使用的是 LTS 内核</li>

</ul>

</li>

<li><code>menuentry 'Arch Linux, with Linux linux'</code>

<ul>

<li>此启动项使用的是最新内核</li>

</ul>

</li>

</ul>

<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">sudo grep menuentry /boot/grub/grub.cfg

</span></span><span class="highlight-line"><span class="highlight-cl">if [ x"\${feature\_m

nuentry\_id}" = xy ]; then

</span></span><span class="highlight-line"><span class="highlight-cl"> menuentry\_id\_op

ion="--id"

</span></span><span class="highlight-line"><span class="highlight-cl"> menuentry\_id\_op

ion=""

</span></span><span class="highlight-line"><span class="highlight-cl">export menuentry

id\_option

</span></span><span class="highlight-line"><span class="highlight-cl">menuentry 'Arch L

inux' --class arch --class gnu-linux --class gnu --class os \$menuentry\_id\_option 'gnulinux-simp

e-f66fe267-a68c-' {

</span></span><span class="highlight-line"><span class="highlight-cl">submenu 'Advanc

d options for Arch Linux' \$menuentry\_id\_option 'gnulinux-advanced-f66fe267-a68c-' {

</span></span><span class="highlight-line"><span class="highlight-cl"> menuentry 'A

rch Linux, with Linux linux-lts' --class arch --class gnu-linux --class gnu --class os \$menuentry\_

d\_option 'gnulinux-linux-lts-advanced-f66fe267-a68c-' {

</span></span><span class="highlight-line"><span class="highlight-cl"> menuentry 'A

rch Linux, with Linux linux-lts (fallback initramfs)' --class arch --class gnu-linux --class gnu --cla

s os \$menuentry\_id\_option 'gnulinux-linux-lts-fallback-f66fe267-a68c-' {

</span></span><span class="highlight-line"><span class="highlight-cl"> menuentry 'A

rch Linux, with Linux linux' --class arch --class gnu-linux --class gnu --class os \$menuentry\_id\_

ption 'gnulinux-linux-advanced-f66fe267-a68c-' {

</span></span><span class="highlight-line"><span class="highlight-cl"> menuentry 'A

rch Linux, with Linux linux (fallback initramfs)' --class arch --class gnu-linux --class gnu --class

s \$menuentry\_id\_option 'gnulinux-linux-fallback-f66fe267-a68c-' {

</span></span><span class="highlight-line"><span class="highlight-cl">menuentry 'Wind

ws Boot Manager (on /dev/sda1)' --class windows --class os \$menuentry\_id\_option 'osprober

```
efi-0CAE-0' {
```

```
</span></span></code></pre>
```

## 2. 设置默认启动项

设置默认启动项需要 `grub-set-default` 这个命令，如果没有可自行安装。

- 查看命令帮助



从帮助信息里面可以看到，如果想让此命令发挥相应的作用需要在 `/etc/default/grub` 文件内设置 `GRUB_DEFAULT=saved` 参数。

```
sudo grub-set-default
```

```
Menu entry not specified.
```

```
Usage: grub-set-default [OPTION] MENU_ENTRY
```

```
Set the default boot menu entry for GRUB.
```

```
This requires setting GRUB_DEFAULT=saved in /etc/default/grub.
```

```
</span></span><span class="highlight-line"><span class="highlight-cl">
```

```
</span></span><span class="highlight-line"><span class="highlight-cl"> -h, --help
```

```
print this message and exit
```

```
</span></span><span class="highlight-line"><span class="highlight-cl"> -V, --version
```

```
print the version information and exit
```

```
</span></span><span class="highlight-line"><span class="highlight-cl"> --boot-directory DIR
```

```
expect GRUB images under the directory DIR/grub
```

```
</span></span><span class="highlight-line"><span class="highlight-cl"> in
```

```
stead of the /boot/grub directory
```

```
</span></span><span class="highlight-line"><span class="highlight-cl">
```

```
</span></span><span class="highlight-line"><span class="highlight-cl"> MENU_ENTRY is a
```

```
number, a menu item title or a menu item identifier.
```

```
</span></span><span class="highlight-line"><span class="highlight-cl">
```

```
</span></span><span class="highlight-line"><span class="highlight-cl"> Report bugs to &lt;
```

```
bug-grub@gnu.org>;
```

```
</span></span></code></pre>
```

- 
- 

- 开始设置



运行下面的命令即可设置默认的启动项，如果你想默认启用其他启动项，设置方法类似。

```
sudo grub-set-default 'Advanced options for Arch Linux>Arch Linux, with Linux linux'
```

```
Advanced options for Arch Linux : 主菜单
```

```
Arch Linux, with Linux linux : 子菜单
```

## 3. 生成 GRUB 主配置文件

```
sudo grub-mkconfig -o /boot/grub/grub.cfg
```

```
</span></span></code></pre>
```

## 4. 重启验证