

# Linux内核升级

参考: [如何在 CentOS 7 中安装或升级最新的内核](#)

## CentOS

### 1. ELRepo

#### 1.1 启用 ELRepo 仓库

```
$ rpm --import https://www.elrepo.org/RPM-GPG-KEY-elrepo.org
$ rpm -Uvh http://www.elrepo.org/elrepo-release-7.0-2.el7.elrepo.noarch.rpm
```

#### 1.2 查看可安装内核

```
$ yum --disablerepo="*" --enablerepo="elrepo-kernel" list available
```

#### 1.3 安装内核

```
$ yum --enablerepo=elrepo-kernel install kernel-ml
```

### 2. 设置 GRUB 默认的内核版本

打开并编辑 `/etc/default/grub` 并设置 `GRUB_DEFAULT=0`。意思是 GRUB 初始化页面的第一个内核将作为默认内核:

```
GRUB_TIMEOUT=5 GRUB_DEFAULT=0 GRUB_DISABLE_SUBMENU=true GRUB_TERMINAL_OUTPUT="console"
GRUB_CMDLINE_LINUX="rd.lvm.lv=centos/root rd.lvm.lv=centos/swap crashkernel=auto rhgb quiet"
GRUB_DISABLE_RECOVERY="true"
```

应用配置:

```
$ grub2-mkconfig -o /boot/grub2/grub.cfg
```

### 3. 删除 CentOS 更新后的旧内核

查看系统中全部的内核 RPM 包:

```
# rpm -qa | grep kernel

> kernel-tools-3.10.0-514.26.2.el7.x86_64
> kernel-devel-3.10.0-514.10.2.el7.x86_64
> kernel-3.10.0-514.26.2.el7.x86_64
> kernel-3.10.0-327.el7.x86_64
> kernel-ml-4.12.0-1.el7.elrepo.x86_64
> kernel-headers-3.10.0-514.26.2.el7.x86_64
> kernel-devel-3.10.0-514.26.2.el7.x86_64
> kernel-tools-libs-3.10.0-514.26.2.el7.x86_64
```

删除旧内核的 RPM 包

```
yum remove kernel-tools-3.10.0-514.26.2.el7.x86_64 kernel-devel-3.10.0-514.10.2.el7.x86_64 kernel-3.10.0-514.26.2.el7.x86_64 kernel-3.10.0-327.el7.x86_64 kernel-headers-3.10.0-514.26.2.el7.x86_64 kernel-devel-3.10.0-514.26.2.el7.x86_64 kernel-tools-libs-3.10.0-514.26.2.el7.x86_64
```

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相关网站: [kernel官网](#)