

```
#include <unistd.h>
#include <sys/reboot.h>
```

```
int reboot(int flag);
```

```
-----
1 #include <unistd.h>
2 #include <sys/reboot.h>
3 int main()
4 {
5     /* 同步磁盘数据,将缓存数据回写到硬盘,以防数据丢失 */
6     sync();
7     return reboot(RB_AUTOBOOT);
8 }
```

```
vim /usr/include/sys/reboot.h
```

```
-----
#define RB_AUTOBOOT      0x01234567
#define RB_HALT_SYSTEM   0xcdef0123
#define RB_ENABLE_CAD     0x89abcdef
#define RB_DISABLE_CAD    0
#define RB_POWER_OFF      0x4321fedc
```

```
1 sys_reboot() -->
2     kernel_restart() -->
3     kernel_restart_prepare()
4     machine_restart()
```

```
linux-2.6.21.7/include/linux/reboot.h
```

```
-----
#define LINUX_REBOOT_CMD_RESTART  0x01234567
#define LINUX_REBOOT_CMD_HALT      0xCDEF0123
#define LINUX_REBOOT_CMD_CAD_ON    0x89ABCDEF
#define LINUX_REBOOT_CMD_CAD_OFF   0x00000000
#define LINUX_REBOOT_CMD_POWER_OFF 0x4321FEDC
#define LINUX_REBOOT_CMD_RESTART2  0xA1B2C3D4
```

```
#define LINUX_REBOOT_CMD_SW_SUSPEND 0xD000FCE2
```

```
#define LINUX_REBOOT_CMD_KEXEC 0x45584543
```