NAME

uadmin – administrative control

SYNOPSIS

#include <sys/uadmin.h>

int uadmin(int *cmd*, **int** *fcn*, **int** *mdep***);**

DESCRIPTION

uadmin( ) provides control for basic administrative functions. This function is tightly coupled to the system administrative procedures and is not intended for general use. The argument *mdep* is provided for machine-dependent use and is not defined here.

As specified by *cmd*, the following commands are available:

A_SHUTDOWN The system is shut down. All user processes are killed, the buffer cache is flushed, and the root file system is unmounted. The action to be taken after the system has been shut down is specified by *fcn*. The functions are generic; the hardware capabilities vary on specific machines.

- **AD_HALT** Halt the processor(s).
- **AD_POWEROFF** Halt the processor(s) and turn off the power.
- **AD_BOOT** Reboot the system, using the kernel file.
- **AD_IBOOT** Interactive reboot; user is prompted for bootable program name.

A_REBOOT The system stops immediately without any further processing. The action to be taken next is specified by *fcn* as above.

A_REMOUNT The root file system is mounted again after having been fixed. This should be used only during the startup process.

A_FREEZE Suspend the whole system. The system state is preserved in the state file. The following three subcommands are available.

- **AD_COMPRESS** Save the system state to the state file with compression of data.
- **AD_CHECK** Check if your system supports suspend and resume. Without performing a system suspend/resume, this command checks if this feature is currently available on your system.
- **AD_FORCE** Force **AD_COMPRESS** even when threads of drivers are not suspendable.

RETURN VALUES

Upon successful completion, the value returned depends on *cmd* as follows:

A_SHUTDOWN	Never returns.
A_REBOOT	Never returns.
A_FREEZE	**0** upon resume.
A_REMOUNT	**0**

Upon unsuccessful completion, –**1** is returned and **errno** is set to indicate the error.

ERRORS

uadmin( ) fails if any of the following are true:

EPERM The effective user of the calling process is not super-user.

ENOMEM Suspend/resume ran out of physical memory.

ENOSPC Suspend/resume could not allocate enough space on the root file system to store system information.

ENOTSUP Suspend/resume not supported on this platform.

ENXIO Unable to successfully suspend system.

EBUSY Suspend already in progress.

SEE ALSO

kernel(1M), **uadmin**(1M)