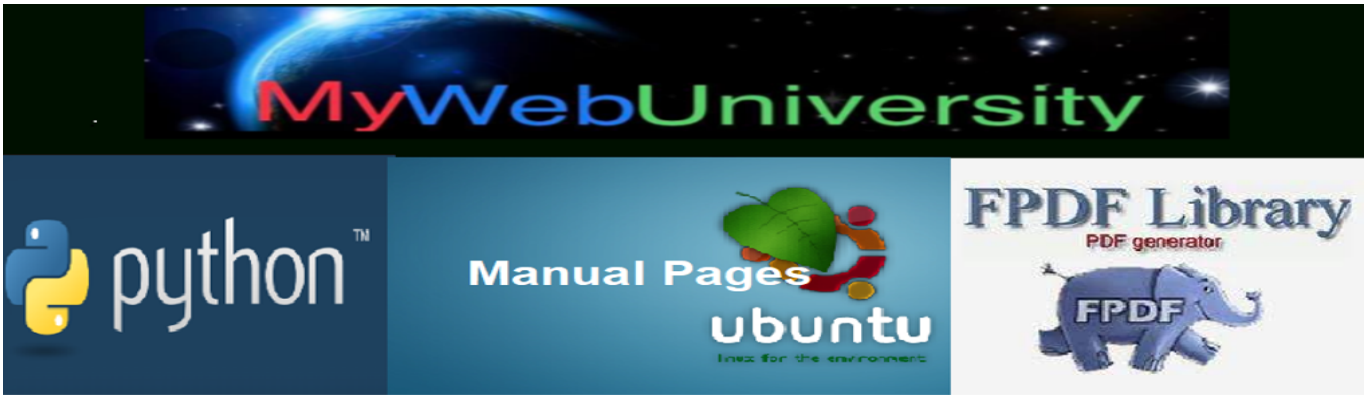




## *Rocky Enterprise Linux 9.2 Manual Pages on command 'rtcwake.8'*

***$ man rtcwake.8***

RTCWAKE(8) System Administration RTCWAKE(8)

NAME

rtcwake - enter a system sleep state until specified wakeup time

SYNOPSIS

rtcwake [options] [-d device] [-m standby_mode] {-s seconds|-t time_t}

DESCRIPTION

This program is used to enter a system sleep state and to automatically wake from it at a specified time.

This uses cross-platform Linux interfaces to enter a system sleep state, and leave it no later than a specified time. It uses any RTC framework driver that supports standard driver model wakeup flags.

This is normally used like the old apmsleep utility, to wake from a suspend state like ACPI S1 (standby) or S3 (suspend-to-RAM). Most platforms can implement those without analogues of BIOS, APM, or ACPI.

On some systems, this can also be used like nvram-wakeup, waking from states like ACPI S4 (suspend to disk). Not all systems have persistent media that are appropriate for such suspend modes.

Note that alarm functionality depends on hardware; not every RTC is able to setup an alarm up to 24 hours in the future.

The suspend setup may be interrupted by active hardware; for example wireless USB input devices that continue to send events for some fraction of a second after the return key is pressed. rtcwake tries to avoid this problem and it waits to terminal to settle down before entering a system sleep.

OPTIONS

-A, --adjfile file

Specify an alternative path to the adjust file.

-a, --auto

Read the clock mode (whether the hardware clock is set to UTC or local time) from the adjtime file, where hwclock(8) stores that information. This is the default.

--date timestamp

Set the wakeup time to the value of the timestamp. Format of the timestamp can be any of the following:

??????????????????????????????????????????????????????

? ? ?

?YYYYMMDDhhmmss ? ?

??????????????????????????????????????????????????????

? ? ?

?YYYY-MM-DD hh:mm:ss ? ?

??????????????????????????????????????????????????????

? ? ?

?YYYY-MM-DD hh:mm ? (seconds will be set to 00) ?

??????????????????????????????????????????????????????

? ? ?

?YYYY-MM-DD ? (time will be set to 00:00:00) ?

??????????????????????????????????????????????????????

? ? ?

?hh:mm:ss ? (date will be set to today) ?

??????????????????????????????????????????????????????

? ? ?

?hh:mm ? (date will be set to today, ?

? ? seconds to 00) ?

??????????????????????????????????????????????????????

? ? ?

?tomorrow ? (time is set to 00:00:00) ?

??????????????????????????????????????????????????????

? ? ?

?+5min ? ?

??????????????????????????????????????????????????

-d, --device device

Use the specified device instead of rtc0 as realtime clock. This option is only relevant if your system has more than one RTC. You may specify rtc1, rtc2, ... here.

-l, --local

Assume that the hardware clock is set to local time, regardless of the contents of the adjtime file.

--list-modes

List available --mode option arguments.

-m, --mode mode

Go into the given standby state. Valid values for mode are:

standby

ACPI state S1. This state offers minimal, though real, power savings, while providing a very low-latency transition back to a working system. This is the default mode.

freeze

The processes are frozen, all the devices are suspended and all the processors idled. This state is a general state that does not need any platform-specific support, but it saves less power than Suspend-to-RAM, because the system is still in a running state. (Available since Linux 3.9.)

mem

ACPI state S3 (Suspend-to-RAM). This state offers significant power savings as everything in the system is put into a low-power state, except for memory, which is placed in self-refresh mode to retain its contents.

disk

ACPI state S4 (Suspend-to-disk). This state offers the greatest power savings, and can be used even in the absence of low-level platform support for power management. This state operates similarly to Suspend-to-RAM, but includes a final step of writing memory contents to disk.

off

ACPI state S5 (Poweroff). This is done by calling '/sbin/shutdown'. Not officially supported by ACPI, but it usually works.

no

Don?t suspend, only set the RTC wakeup time.

on

Don?t suspend, but read the RTC device until an alarm time appears. This mode is useful for debugging.

disable

Disable a previously set alarm.

show

Print alarm information in format: "alarm: off|on <time>". The time is in ctime() output format, e.g., "alarm: on Tue Nov 16 04:48:45 2010".

-n, --dry-run

This option does everything apart from actually setting up the alarm, suspending the system, or waiting for the alarm.

-s, --seconds seconds

Set the wakeup time to seconds in the future from now.

-t, --time time_t

Set the wakeup time to the absolute time time_t. time_t is the time in seconds since 1970-01-01, 00:00 UTC. Use the date(1) tool to convert between human-readable time and time_t.

-u, --utc

Assume that the hardware clock is set to UTC (Universal Time Coordinated), regardless of the contents of the adjtime file.

-v, --verbose

Be verbose.

-V, --version

Display version information and exit.

-h, --help

Display help text and exit.

NOTES

Some PC systems can?t currently exit sleep states such as mem using only the kernel code accessed by this driver. They need help from userspace code to make the framebuffer work again.

FILES

/etc/adjtime

## HISTORY

The program was posted several times on LKML and other lists before appearing in kernel commit message for Linux 2.6 in the GIT commit 87ac84f42a7a580d0dd72ae31d6a5eb4bfe04c6d.

## AUTHORS

The program was written by David Brownell <dbrownell@users.sourceforge.net> and improved by Bernhard Walle <bwalle@suse.de>.

## COPYRIGHT



## SEE ALSO

hwclock(8), date(1)

## REPORTING BUGS

For bug reports, use the issue tracker at https://github.com/karelzak/util-linux/issues.

## AVAILABILITY

The rtcwake command is part of the util-linux package which can be downloaded from Linux Kernel Archive <https://www.kernel.org/pub/linux/utils/util-linux/>.