

Re: [opensuse] Building a MthTV system

Source: <http://linux.derkeiler.com/Mailing-Lists/SuSE/2007-04/msg02756.html>

- *From:* Randall R Schulz <rschulz@xxxxxxxxx>
 - *Date:* Sun, 22 Apr 2007 14:36:52 -0700
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On Sunday 22 April 2007 11:00, Carlos E. R. wrote:

The Sunday 2007-04-22 at 10:23 -0700, Randall R Schulz wrote:

On Sunday 22 April 2007 10:08, Joseph Loo wrote:

I am thinking of building a myth tv system. I want to hibernate my computer when it is not in use but wake up when it needs to start recording or to use the box. Are there any programs or facilities that allow this?

I don't think a software solution is possible. You probably need some kind of timer hardware that can issue the necessary wake-up inducing signals. ...

But there are exceptions: "wake on lan" ethernet cards. The card has to be powered, at least, and I'm not sure if it will work with disk hibernation, or only with suspended to memory mode.

An alternative, is to connect a wake up line to the other computer, having a binary output card close a relay in parallel with power on switch - the normal power on/off button doesn't really disconnect the power, you know, so this would not be handling mains current.

All those things are, as I said, hardware-driven or -dependent.

I'd look for a mainboard and / or BIOSes that has a programmable wake-up timer.

I wonder if there could be a way to program this from inside Linux?

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If the BIOS or some mainboard or compatible add-in hardware can produce the necessary wake-up conditions (and whatever other hardware requirements there are for resuming from hibernation are met), then almost certainly a driver could be written to convey the desired wake-up time settings to that timer hardware. On top of that a simple command-line tool and / or library routine to open that custom driver, issue the necessary ioctl's for setting and reading the timer(s) and you've got all you need.

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Cheers,
Carlos E. R.

Randall Schulz

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