Re: [PATCH] libata: Handle bay devices in dock stations

Source: http://linux.derkeiler.com/Mailing−Lists/Kernel/2008−06/msg00148.html

- *From*: Holger Macht <hmacht@xxxxxxx>
- *Date*: Sun, 1 Jun 2008 18:06:31 +0200

On Fri 30. May − 13:07:39, tom@xxxxxxxxxxxxx wrote:

> Quoting Holger Macht <hmacht@xxxxxxx>:
>
> > * Differentiate between bay devices in dock stations and others:
> >
> > − When an ACPI_NOTIFY_EJECT_REQUEST appears, just signal uevent to
> > userspace (that is when the optional eject button on a bay device is
> > pressed/pulled) giving the possibility to unmount file systems and to
> > clean up. Also, only send uevent in case we get an EJECT_REQUEST
> > without doing anything else. In other cases, you'll get an add/remove
> > event because libata attaches/detaches the device.
> >
> > − In case of a dock event, which in turn signals an
> > ACPI_NOTIFY_EJECT_REQUEST, immediately detach the device, because it
> > may already have been gone
> >
> > * In case of an ACPI_NOTIFY_DEVICE/BUS_CHECK, evaluate _STA to check if
> > the device has been plugged or unplugged. If plugged, hotplug it, if
> > unplugged, just signal event to userspace
> > (initial patch by Matthew Garrett <mjg59@xxxxxxxxxxxxx>)
> >
> > * Call ACPI _EJ0 for detached devices
>
> Will this patch or the other bay/dock related patches you send in the past
> days allow me to undock my laptop and still be able to suspend/resume
> without locking the laptop up? And without having to run any userspace
> scripts?
>
> My dock is not a simple port replicator, it has an USB hub and an ATA bay
> in it. My tests showed that I need to 'echo 1 > /sys/.../scsi/.../eject' or
> something like that before I can take the laptop out of the docking
> station. If I don't do that and try to access the cdrom in the bay (or even

> rescaning the scsi bus) after I have taken the laptop out of the dock it results in a hard lockup. That in itself would not be a problem, because it's just a simple command that I can do in an acpid script. But far worse is that even if I do that, the computer locks up when I resume from suspend. I run 2.6.24.7 which locks up every time I resume. In recent versions from git it has somehow improved, there are situations where it doesn't lock up, but there are still a few left where it does (I don't remember the exact actions/commands I have to take).

Which kernel versions did you already try? But yes, those patches will most likely help. But not sure about the resume issues...

Regards,
Holger
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