

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

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-05/msg13826.html>

- *From:* tom@xxxxxxxxxxxxx
 - *Date:* Fri, 30 May 2008 13:07:39 +0200
-

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 rescanning 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).

tom

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

--

To unsubscribe from this list: send the line "unsubscribe linux-kernel" in the body of a message to majordomo@xxxxxxxxxxxxxxxx

More majordomo info at <http://vger.kernel.org/majordomo-info.html>

Please read the FAQ at <http://www.tux.org/lkml/>