

Device Drivers: Recent Progress and Future Plans

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ACPI Project

- Warpin installer updated
- Added SMP safe hires timer handler
- ACPICA updates
- Stable, reliable
- New versions released in the Arca Noae subscription.

JFS

- New version released in the Arca Noae subscription.
- Fixed a serious problem which caused log redo to corrupt the volume.
- Known problems
 - a problem with chkdsk
 - a problem with heavy load

USB 11

- We needed a stable USB stack that worked reliably on most hardware.
- Started with, or incorporated, the code that Lars, Wim, and others, were working on.
- Fixed most of the regressions.
- Found and fixed some long standing problems that had not been addressed yet.
- Most stable and reliable USB stack ever.
- Most remaining problems will need a lot of very specific data or must be reproducible.
- New versions released in the Arca Noae subscription.

Driver Kits

Drv16

- Can build DEVICE and BASEDEV drivers.
- Very flexible and easy to use.
- No significant restrictions.

Drv32

- Can build DEVICE and BASEDEV drivers.
- Very flexible and easy to use.
- Lots of restrictions

MultiMac

- Started out as individually developed drivers.
- Then the drivers were merged together to share common code.
- Then the drivers were reworked to use the Drv16 kit.
- NVETH and E1000e use Drv16.
- A compatibility library was developed to provide many of the pieces necessary for compiling Linux drivers on OS/2.
- R8169 uses Drv32 and LCL32.
- LCL32 was a big help but a lot of work was still required to compile each driver.

MultiMac

- BCL32 was developed.
- E1000B is the first driver to use this library. It uses Drv32 and BCL32 and needs almost no changes to the original FreeBSD source files to compile on OS/2.
- A couple more modules need to be written for BCL32.

Uniaud

Future

- Organize repository so new ALSA versions can be dropped in easily.
- Drop in the latest ALSA version
- Fix any remaining problems with the OS/2 interface code.

Problems?

Open a ticket!!!

Every project is different. Follow the instructions on the wiki!

Posting to e-mails lists, forums, newsgroups, etc. will not get your problem solved.

Questions?

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