

EcomStation 2.x

Status and future!

Current Status of eCS

- Impression in forums: "Its silent about eCS"
 - Why eCS 2.0 is delayed time after time ?
 - Running into limitations of OS/2, but can be worked around!
 - 16 bit code
 - Not fully implemented/documented API calls.
 - Resource limitations in human terms.

Main points of delay

- ▣ Number one reason, ACPI!
 - ▣ Should we not use it ? We need it!
 - ▣ Hardware not initialized properly (without ACPI)
 - ▣ It manages hardware (IRQ) resources and power management.
 - ▣ Not all ACPI implementations in BIOS are good.
 - ▣ Kernel limitations (memory restraints) for PSD.
 - ▣ Not all interfaces for PSD in kernel are clear/implemented.

ACPI limitations

- ▣ OEMHLP\$ patches kernel live when loaded.
- ▣ For SMP (Duo Core support) need APIC support
 - ▣ APIC support (high IRQ's not all device drivers work)
 - ▣ More and more systems only work in APIC mode
 - ▣ New USB stack, update drivers, use alternatives Genmac.
 - ▣
- ▣ APM support does not work with ACPI, APM interface also gone from BIOS. Video driver needed replacement (panorama). (Thinkpad T60 and VIA chipset)

What is in eCS 2.0 ?

- ▣ Command line Samba client
- ▣ Bootable JFS
- ▣ ACPI (works on most Duo core machines now)
- ▣ Genmac for latest NIC support (Wireless/WPA)
- ▣ Panorama driver to replace SNAP in long run!
 - ▣ Accelerated VESA driver, works on every videocard
- ▣ Disc resizer
 - ▣ Reduce NTFS partitions in size
- ▣ Doodle screen saver
- ▣ Improved hardware detection
- ▣ Latest UNIAUD (working on Intel HDA)
- ▣ Dfsee disc checker (fix LVM limitations).

Reducing OS/2 problems

- ▣ Use high memory for data storage.
 - ▣ Lucide PDF viewer (No ODIN)
 - ▣ Open Office 2.0.4.
 - ▣ Thunderbird/Firefox 2.0.0.6.
- ▣ Maybe LX loader to load DLL's in high memory.
- ▣ Remove snoopers

Possible eCS 2.1 features

- Multi user desktop (not in 2.0, needs much more testing of Security/2).
- eSchemes (delayed not stable enough)
- Replace PCMCIA installer
- ALVM (replacement for LVM engine)
- Airboot (replace boot manager, problem rspinst).
- CUPS printer drivers
- New Printer installer

- Possibly new USB stack (first steps made acpi).

Demo

- Laptop disc resize/hardware detect.
- ACPI wizard.

Questions ?

- Questions shoot!
- USE bugtracker, we follow up faster.

Request

- Developers welcome!
- Keep the bugs coming in! Not as support items.