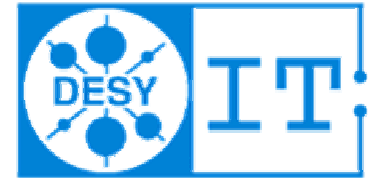


Production Environment Issues

28th Linux User Meeting
2004-04-21
Knut Woller

- **More Kernel Bugs and Updates**
- **Xfree Server Bug and Update**
- **Linux Notebook Hardware**
- **k5cron Status**

Yet Another DL4 Kernel Upgrade



- **We are currently running 2.4.25 on almost all DESY Linux 4 systems**
- **2.4.25 has several severe problems:**
 - local root exploit through isofs mounts
 - local root through r128 driver
 - Local root through integer overflow in ip_setsockopt system call
 - Ext3 information leakage
- **2.4.26 was released on April 14 and fixes all of them**
- **New RPMs are available for DL4 and DL5**
- **2.5.26 is default for new installations since Friday**
- **Update RPMS have been distributed last night and will be installed and activated at next reboot**
- **The announcement has been sent out this morning**

XFree86 Bug and Update



- XFree 4.2.0 on DL4 has a locally exploitable buffer overflow when parsing the font information file
- See <http://www.idefense.com/application/poi/display?id=72>
- XFree 4.3.0 will not run on DL4
- Updated Xfree 4.2.0 RPMs are available and being tested
- We hesitate to roll out automatically because no two XF86config files seem to be identical
- I am working on a 'minimal' bugfix solution, we probably do not need to replace 19 RPMs on O(1000) systems ...
- A separate announcement will follow

- **Reminder: The recommend notebook model for Linux users at DESY it the DELL Latitude D600**
- **DELL offers several mini-PCI WLAN options:**
 - **Intel E2100/2200 (Centrino) - 802.11 b/g**
 - Drivers by Intel on <http://ipw2100.sourceforge.net>
 - Not all features supported on Linux
 - Compatibility of E2200 card not yet verified
 - **DELL True Mobile 1300/1350 - 802.11 b/g**
 - No known Linux drivers
 - **DELL True Mobile 1400/1450 - 802.11 a/b/g**
 - No known Linux drivers
 - **DELL True Mobile 1150 - 802.11 b**
 - The safe side, works with vanilla kernels.
 - You have to ask for it when ordering

K5cron Status



- Christian Hüttig is working on an acron successor: k5cron
- Software is currently in alpha test and running reliably
- k5cron server is still a test system and needs to migrate before we go beta
- Recent update to V1.4 implements the list/range/step feature:

**/6 * * * 1-5 pal01 date*

** * * * Mon-Fri pal01 date*

*1,10,20-30 * * * * pal01 date*

1,22,10-30/3,/6 */2 * Jan-Jun/2,Nov Mon-Fri,Sun pal01 date*

- Documentation is available on
 - <http://www-it.desy.de/systems/services/kerberos5/k5cron/>
 - <http://www.desy.de/~chuettig/k5cron/>
- Feel free to use it. Do not use acron anymore.