



HAMBURG • ZEUTHEN

DESY Linux 4 Jumbo Fix

25th Linux User Meeting
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A large, faint watermark of the DESY logo is visible in the background, centered on the page. It features the same circular emblem and network structure as the logo in the top right corner, but in a light blue color.

DESY

Why this?

- **We have not been too good at fixing bugs and vulnerabilities lately**
- **We have put emphasis on continuous operations and lack a scheme to roll out minor updates in time**
- **End of Life of SuSE 7.2 happened end of July**
- **HERA Lumi Run starts in October**
- **It makes sense to do some final polishing in the next two months**

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What's in it?

- **Kernel Package**
 - **Kernel 2.4.22**
 - **OpenAFS 1.2.10**
- **glibc patch (fix nscd crashes)**
- **Xfree 4.2 security update**
- **Package security updates from SuSE ftp server to close existing local root exploits**



How Does It Work?

- **Call SALAD command which**
 - **installs post boot scripts**
 - **reboots**
 - **installs patch level with SuSE RPM updates**
 - **reboots**
 - **installs new kernel and OpenAFS RPMs + LILO**
 - **reboots to final state**

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Schedule

- **Late again because of unexpected ...**
 - ... time spent on making new Standard PC work with DL4 (unexpected)
 - ... activities triggered by the directorate
 - ... worm and virus attacks
 - ... hardware breakdowns
 - ... kernel 2.4.21 incompatibilities
- **We will now include kernel 2.4.22 and OpenAFS 1.2.10 clients**
- **First tests runs have been done, I expect public availability in two weeks.**



Concerns

- **Compatibility**

- we do not expect much trouble because newly installed PCs already get all patches

- **Disk Space**

- Upgrade may be problematic on small root partitions. We try to find a compact way of installing it.

- **Dependencies**

- Installed base is heterogeneous. Need to find the right order of installation and a way to resolve version conflicts.

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