



Production Environment Issues

26th Linux User Meeting
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- **Jumbo Patch**
- **Update of ssh daemons and clients**
- **DESY Linux 4 on S-PC 0803**
- **SuSE 9.0**
- **Central SAN Failure last Weekend**

Jumbo Patch

- **I am embarrassed: This is the third time I am talking about it without having it ready ☹**
- **What we have (for some time now):**
 - **Last updates from SuSE for 7.2 are in our repository (linux.desy.de:/distro/suse-7.2)**
 - **glibc with in house patch**
 - **Kernel 2.4.22 with OpenAFS 1.2.10**
- **Newly installed systems get it all**
- **Individual components can be installed**

Jumbo Patch Status

- You can use SALAD to roll in all packages from the repository onto existing systems:

`/usr/local/salad/ALL/etc/post_install`

`-install –default –level patch –nolock`

- One tricky part is the xdm update which is likely to break your graphical login
- Kernel and OpenAFS upgrade are still separate, but tested successfully
- I have scheduled Jumbo patch priority behind DESY Linux 5 development coordination (correct me if I'm wrong)
- It is on my own ToDo list
- I am looking for a pragmatic 'one shot' solution now to bring DL4 systems to identical state

SSH upgrade

- **Most AFS machines (Linux/Solaris/IRIX/AIX) are still running OpenSSH 2.3.0p1**
- **Several security holes in recent SSH versions have been published mid September**
- **-D4- and RSR consider the severity high and have asked IT to provide upgrades to 3.6 or 3.7 ASAP**
- **Preparations have been made, rollout will start on short notice (test in IT tonight) for DESY Linux 4, Solaris7, Solaris8**
- **We will not provide updates for DESY Linux 3 and HP-UX**
- **New version will be 3.6.1p1**
- **This should also cure some problems people have seen with 'Incorrect MAC' errors**

SSH technical issues

- **Kerberos host principals have been created for all DESY Linux 4 and Solaris hosts to allow kerberos authentication**
- **We will keep the weak RSA authentication scheme for a while, but plan to get rid of it (Zeuthen did)**
- **The SSH upgrade will create**
 - a local user 'sshd' in /etc/passwd
 - a local home directory /var/empty for that user
- **Solaris hosts will also receive a new random number generator**

DESY Linux 4 on S-PC 0803

- As reported last meeting, DL4 installations did not work on new Standard PCs
- This is now fixed with new boot floppies and installation kernels
- You need the new boot floppy to install current standard PCs
- Copy image from </net/linux/disks/dl4boot.ide> or <http://www-it.desy.de/systems/linux/desy-4>
- Caveat: Sound support is not yet there for S-PC 0803

SuSE 9.0

- Has been released mid October
- Is available on linux.desy.de:/distro/suse-9.0
- 5 CD images in **ISO** subdirectory
- Documentation on
<http://www-it.desy.de/systems/linux/suse-9.0>
- We haven't tested AFS configs, but assume that what we provide for 8.2 will work (feedback welcome)
- Usual disclaimer:
 - The distribution is provided 'as is' without further support.
 - You are on your own and we assume that you know what you are doing.
 - We will run occasional repository updates, i.e. the install server is a better installation source than CDs