

Core



Mattias Wecksten 2010



Users / superuser


- su
- sudo

- setuid

- root login

- gksudo/ sudo


Mattias Wecksten 2010



Sudo

- timespan
- root shell
 - sudo -i
 - sudo su
 - sudo bash
- redirection
 - ls /etc | sudo tee filename

Mattias Wecksten 2010



Sudoers

- visudo
 - syntax checker
- specification
- aliases
- defaults



Unlocking root

- sudo passwd root
- Avoid if possible.



Init / runlevels

- How the computer starts up.
- Default runlevel 2
- telinit [RUNLEVEL]
- Start-up scripts is found in /etc/init.d and /etc/rc.X



Booting

- Save boot messages
- `dmesg > dmesg.log`



Recovery mode

- Single user.
- Minimal number of services
- Possible no network access



Crash

- To avoid problems – shut down properly
 - shutdown
 - reboot
- Disks have data in cache all over the system
 - Due to performance
 - Will lead to damaged file system at power failure



Kill in detail

- kill sends a signal, a request, to the process to shut down.
- the process might ignore this
- to kill without asking:
 - kill -9 [PID]
- But first you should try to terminate
 - kill -15 [PID]



Server tips and tricks

- chroot
 - put files in jail
- TCP-wrapper
 - limit remote access to certain nodes



NIS/ LDAP



NIS

- Useful for roaming profiles and passwords
- Not encrypted

Mattias Wecksten

2010



LDAP

- "Phone directory"
- Usually used for email completion.

Mattias Wecksten

2010