

A Linux distribution is born

A few ideas from Exherbo

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June 4th, 2008 / FOSS Aalborg conference

1 Introduction

- Name, rank and serial number
- Short introduction to the Exherbo project

2 Genesis

- What are initsystems anyway?
- Managing initsystems
- Handling system errors
- Monitoring
- From single boxes to large networks

3 Future

- Random thoughts and ideas that might make it..

4 Summary

- Bryan Østergaard <kloeri@exherbo.org>.
- Quite active open source developer the last 5+ years.
- More than 10.000 commits for Gentoo Linux and lots of experience from that project.
- Founded the Exherbo project.
- Work as a professional developer (currently developing financial applications) but have also done several years of system/network administration and IT security consulting.

- A Linux distribution built to my specifications (and a few others).
- Some ideas are stolen from other distributions.
- Big parts of the **distribution** is being written from scratch.

- What are initsystems good for anyway?
- The traditional view.
- A more modern view.
- My view.

- Why is management needed?
- Who should manage services?
- And how?

- Hardware errors.
- Software errors.
- Sysadmin errors?

- What should be monitored?
- How should it be monitored?

- What's required on a large network?
- Easy access to status of services.
- Detailed knowledge about system health.
- Programmable access to monitoring status and controlling services.

- Adding cron like events to Genesis.
- Integration with package manager so packages can control whether to restart services on upgrades for example.
- Hooking into the initsystem.

- Innovation happens fairly rapidly in **some areas**.
- Old and tried systems like initsystems can still be improved upon greatly.
- I want to drive some of those improvements and I hope you'll be able to benefit from my work.

- Questions?