

GRUB upstream and distros cooperation

Daniel Kiper

Oracle, Software Developer, GRUB upstream maintainer

Vladimir 'phcoder' Serbinenko

GRUB upstream maintainer

FOSDEM 2018, February 4th, 2018

Presentation Agenda

- 1 ➤ GRUB maintainers
- 2 ➤ GRUB 2.02 release
- 3 ➤ GRUB planned 2.04 release
- 4 ➤ GRUB - new config language
- 5 ➤ GRUB - the future plans
- 6 ➤ GRUB - discussion about the community/distros expectations

GRUB maintainers

- Vladimir 'phcoder' Serbinenko
- Alexander Burmashev, Oracle
- Daniel Kiper, Oracle
- *Andrey Borzenkov, unofficial*

GRUB 2.02 release

- Support for ARM uboot, ARM EFI, AARCH64 EFI, ARM coreboot
- Support for the Xen PV guests i386 and x86_64
- New Multiboot2 Features
 - EFI boot services availability for the OS
 - Support for self relocatable OS images (the ELF relocs are not supported yet)
- Plenty of fixes

GRUB planned 2.04 release - tentatively second half of 2018

- Verifiers framework - under review
 - The TPM support - under review
 - The UEFI secure boot support - under review
- Xen PVH support - waiting for review
- Various extensions and fixes for ARM and AARCH64
- Various extensions and fixes for SPARC (mostly done by Oracle guys on Debian folks request)
- Plenty of fixes

GRUB - new config language

- Current state
- Goals
- Example
- Feedback

GRUB - future plans

- Increase patches review „throughput” and decrease response delay for emails
- Reduce the number of custom patches needed by various distros to make GRUB2 usable for them
- Improve overall cooperation with distros and the other interested parties
- Introduce the automatic testing of GRUB2 code from git tree

GRUB - discussion about the community/distros expectations

- What do you care about?
- What is not important for you (at all)?
- Do you think my planned priorities are the same as yours?
- Are there any other community/distros expectations?

Integrated Cloud

Applications & Platform Services

ORACLE®