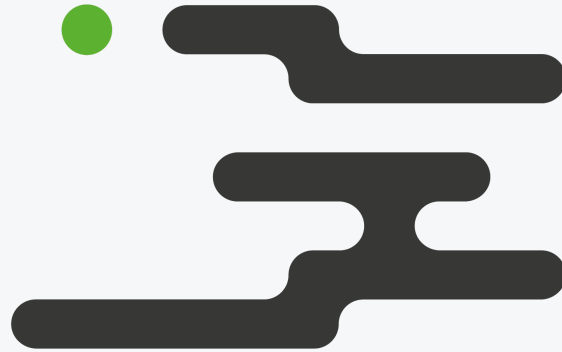


Intro

GRUB2 and 3mdeb "minisummit" 2019

Piotr Król





- open-source consulting company focused on
 - Open Source Firmware (coreboot, LinuxBoot, UEFI/edk2, ATF)
 - Embedded Linux (Yocto, Buildroot)
 - Automated Validation (kernelCI, LAVA)



Piotr Król

Founder & Embedded Systems Consultant

- open-source firmware
- platform security
- trusted computing
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- Why we doing this
- "minisummit" form
- Who we invited this time?
- What we will talk about today?
- "minisummit" agenda

- Obvious reasons
 - because we can
 - because it is form of marketing
 - build relations
- Not-so-obvious reasons
 - to keep relation with open-source community representatives
 - to stop and think about problems in one given area
 - to gather status of various activities which outcome can be of mutual benefit
 - plan and discuss possible cooperation, engagement and investment

- Earlier this year we did "[Qubes OS and 3mdeb minisummit](#)" interestingly it appeared to be quite successful event with lot of good word and feedback from community
- Also materials from such event appeared to be great reference point for discussion
- Of course this is far from typical minisummit event, feel free to recommend better name
- We invite maintainer of given project
- We prepare some presentation about topics related to open-source project that we think need more discussion
- Zero-overhead for maintainer despite losing your day with 3mdeb team ;)
- One day event
- We record and publish all materials

- **Daniel Kiper**, Oracle, Software Developer
- GRUB upstream maintainer
- Xen boot code developer
- TrenchBoot technical leader inside Oracle
- Earlier he worked on kexec, kdump, makedumpfile, crash tool and memory hotplug development.

- GRUB (GNU GRand Unified Bootloader)
- 24 years old bootloader
- Used by most of Linux distributions these days
- Boots almost everything leveraging most of available boot firmware in the world
- 90% written in C with 579k SLOC (including gnulib)
- In 3mdeb we use it in various ways and those use cases, and concerns related to, we would like present today

- "Intro" - Piotr Król
- "Redundant GRUB2 env file" - Maciej Pijanowski
- "TPM support in GRUB2 for legacy boot mode" - Michał Żygowski
- "GRUB2 security features overview" - Piotr Król
- "Python 3 support in GRUB2" - Michał Żygowski
- "AMD TrenchBoot support in GRUB2" - Piotr Król

Q&A

