kpmcore implementations and goals for the future

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- Brazilian
- KDE Partition Manager, Calamares, marK
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• kpmcore
• Season of KDE 2018
• Google Summer of Code 2018
• Google Summer of Code 2019
• KDE Partition Manager 4.0
• Goals for the future
• Library for managing partitions and executing disk operations
• KDE Partition Manager core
Season of KDE 2018

• Replaced unmaintained libatasmart support to calling smartctl command in KDE Partition Manager
• Parsed smartctl JSON output
• Removed libatasmart library dependency
• Improved KAuth support
Google Summer of Code 2018

- Finished LVM Volume Group support
- Implemented MDRAID support
- Worked with LVM support in Calamares
Google Summer of Code 2019

- Shubham
- Port Authentication to Polkit-qt-1
- Improve QDBus communication
KDE Partition Manager 4.0

- kpmcore backend was ported away from libparted to sfdisk
- SMART support improvements were merged
- Better support for LUKS2
- APFS and Microsoft Bitlocker support
- Modern C++
- SMART and sfdisk ports made KPM more portable
Goals for the future

- Full compatibility with FreeBSD
- Polkit port
- Evolve FS support, including specific features
- Merge MDRAID and implement DMRAID
- Increase the number of automated tests
Thanks, KDE!

Questions?