

presented by

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A Common Platforms Tree

UEFI Spring Plugfest – May 18-22, 2015

Agenda



- Introduction
- Plan
- Wrapup



Introduction



Current State of EDK2



- Platform support spread around the tree
 - PcAtChipset, BeagleBoard/Omap35xx, ARM Ltd. platforms, ValleyView2
 - Virtual platforms (special case?)
- Very few drivers
 - Spread around the tree...
- Most “real” platforms not buildable
 - Require separately downloaded packages
 - Coexistence of multiple platforms in one tree is ... tricky

Linux kernel



- All platforms in one tree, all drivers in same tree
- Many benefits
 - Simple to verify changes to core code do not break existing platforms
 - Drivers for common components implemented once, then reused
 - Components shared between different platforms
- ... but does become more complex

So we would like to...



- Have more reference code
- Have more open source drivers
 - Without mandating only open source
- Minimise code (and other) duplication

Optimally...



- A set of new top-level directories
 - Platforms
 - SoC/Chipset
 - Drivers

- But we need to start somewhere



Plan

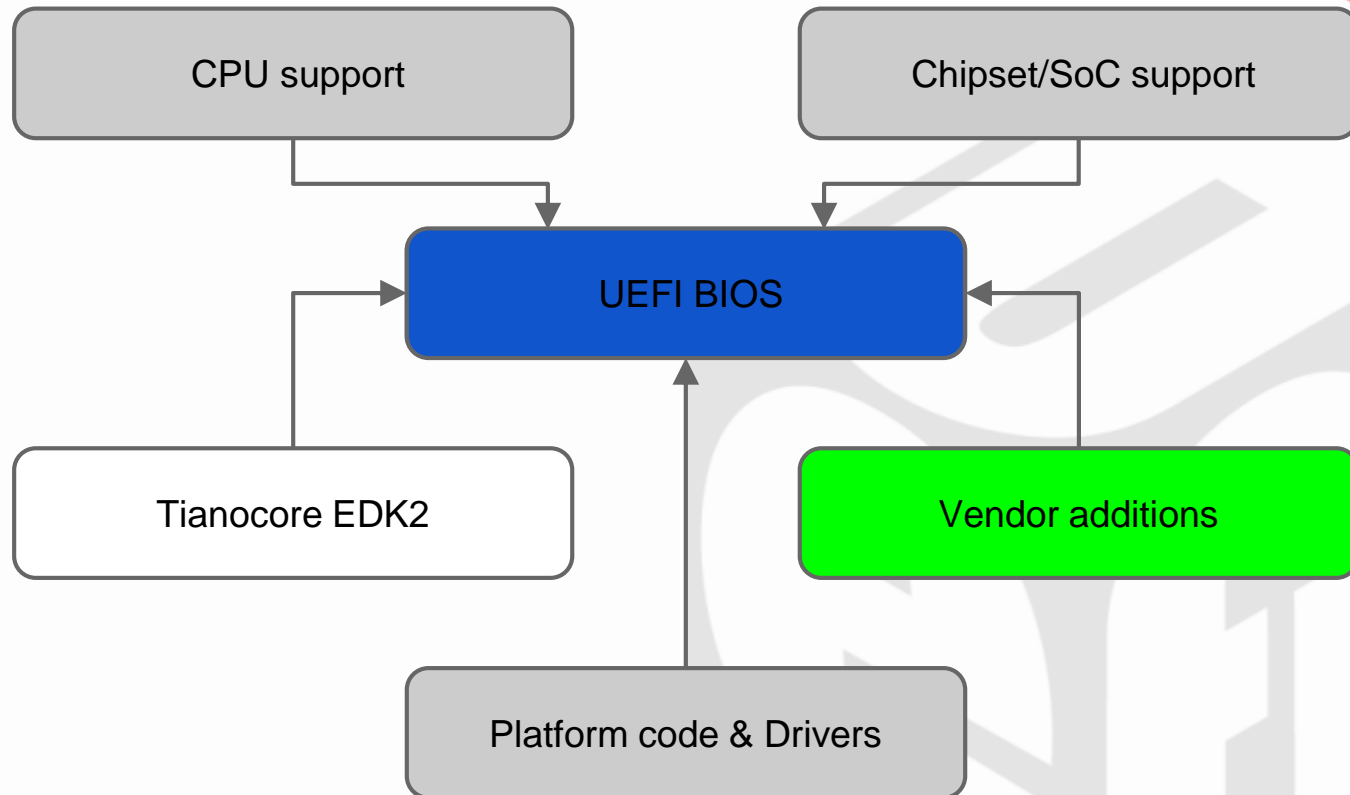


Plan

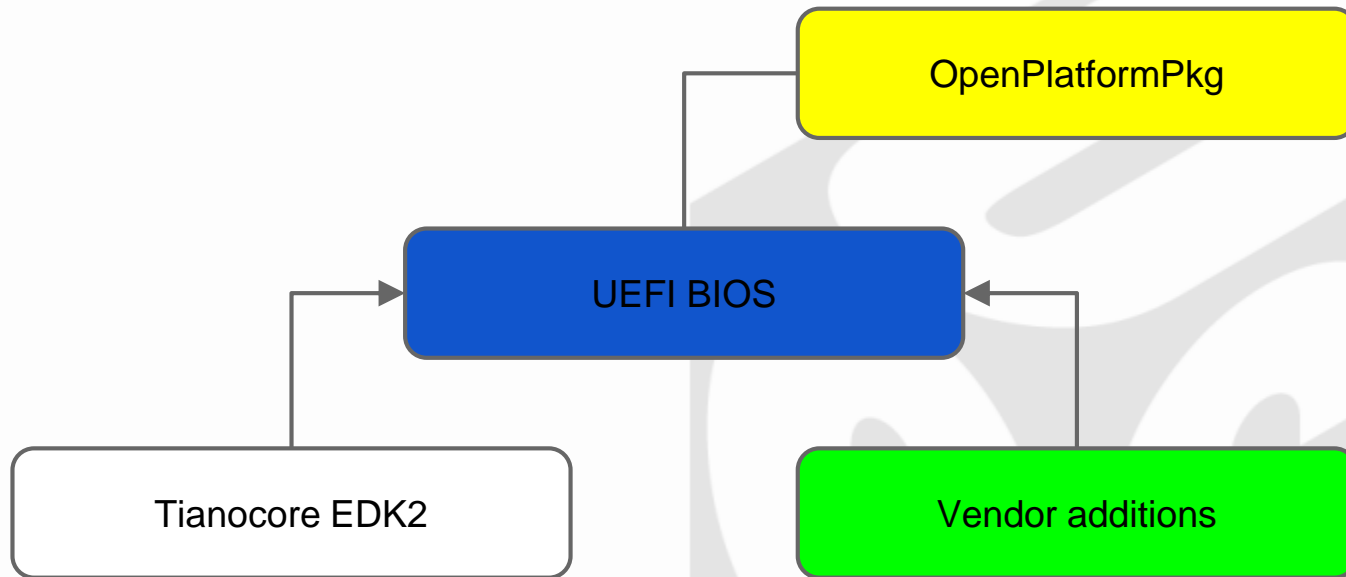


- **Set up a new repository**
 - Imported into existing edk2 tree, manually into a subdirectory or automated as a git submodule
- **Convert current linaro-edk2 to use this**
 - Instead of juggling topic branches
 - Base our monthly releases on this
- **Build-tests on all platforms in tree, not just the ones we release**

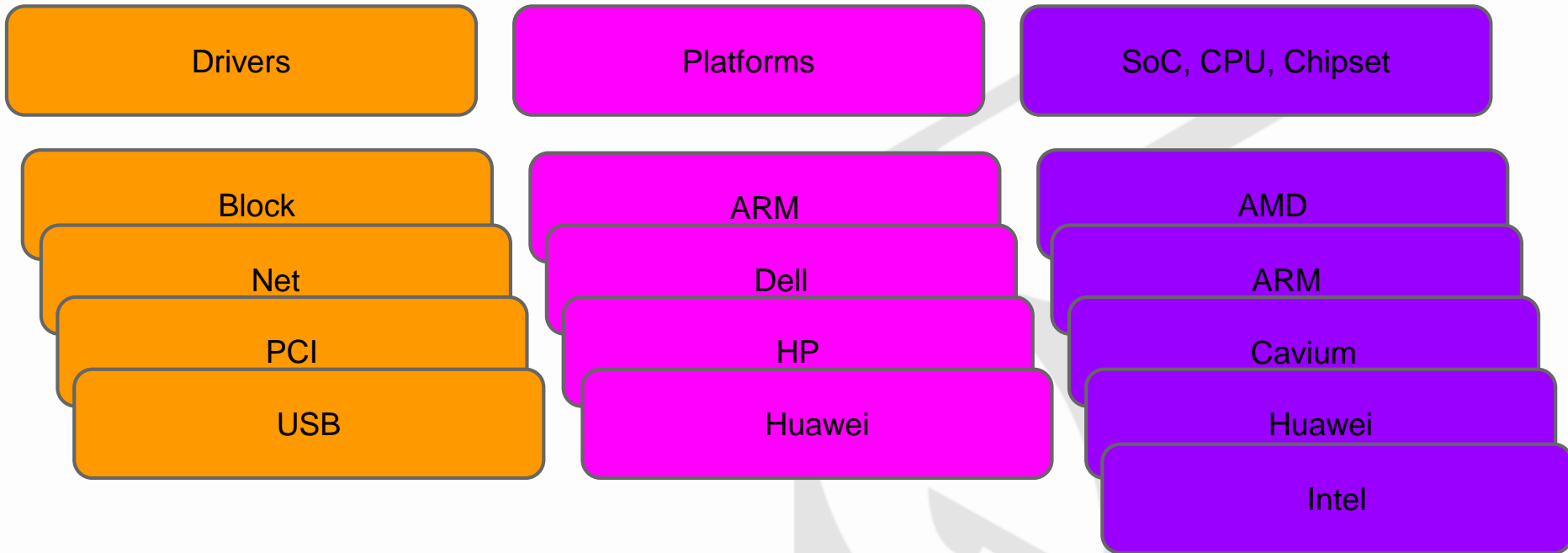
Common UEFI BIOS Layout



Layout with OpenPlatformPkg



OpenPlatformPkg





Wrapup



Wrapup



- Interested in getting feedback on the overall approach
 - This week, in public or private.
 - linaro-uefi@lists.linaro.org
- Looking for more platform support and/or common drivers

Thanks for attending the
UEFI Spring Plugfest 2015



For more information on
the Unified EFI Forum and
UEFI Specifications, visit
<http://www.uefi.org>



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