Role Modeling Open Source Best Practices in Firmware

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Agenda

- Introduction
- Changes at Intel
- Open Source Licensing
- Ethos, More than a License
- Building a Community

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Introduction

• Mark Doran
  — President, UEFI forum
  — Intel Fellow

• Stephano Cetola
  — TianoCore & CHIPSEC Community Manager
  — Open Source Program Manager @ Intel
Changes at Intel

• One BIOS
  – Client, server and core under one roof
• System Software Products
  – New parent group for One BIOS
  – Windows & Open Source OS group peers
• More agility
Imperatives – Intel view

• Deliver the roadmap
  – Job 0 remains si product enabling on time
• Optimize path to TTM
  – Reduce friction for ecosystem
• Do Less, Deliver More
  – Right size code and feature sets for markets
TianoCore – modeling best practice

• Revamp Intel participation in EDK2 development to be more community centered
• Opening up early design/development
• Increase in open source contributions
• Better open source process
Shifting [back!] to Code-First

• Working code means better interfaces
• Reduce community “blackout” window
• Encourage more community involvement in path-finding
• Open Source as the default
Getting Fitted for a New Suit

Open Source Licensing
TianoCore Licensing Change

• **The Why**: Keeping Up with the Joneses
  – An Even More Permissive License
  – Remove Any Contribution Agreements
  – Serve Community and Commercial Needs
  – Greater Protection from IP Concerns
TianoCore Licensing Change

• **The What**: BSD+Patent License
  – A simple permissive license
  – Compatible with the GNU GPLv2
  – Adds an Express Patent Grant

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TianoCore Licensing Change

• **The How**: RFC Process
  – Engage by Listening
  – Getting Feedback, Taking Action
  – Respond Quickly and Earnestly
A Short How-To

Open Source Best Practices in Firmware
The Open Source Ethos

- Transparent Decision Making
  - Stewards: Apple, Intel, Linaro, & Red Hat

- Community Interests Come First
  - Monthly Open Community Meetings

- All Things Done in the Open
  - Discuss, Design, Develop, Debug

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The Open Source Ethos

• Developing in the Open
  – Bugzilla, GitHub, and now Open Meetings

• A “Code First” Mentality
  – Clear direction should be defined by code
  – Formalizing standards informed by community
The Art of Community

All in With Open Source

with inspiration from Jono Bacon

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Community Management

• Keep Your Eyes on the Long View
  — TianoCore in 3-5 Years

• Clearly Define Strategic Goals
  — Deliver goals on a predictable cadence

• Rigorous Communication
  — Conversations vet ideas better than polling
How Avoid Community Mistakes

• No Such thing as 1 Sided Value
  – Community Value Always Wins
• Have an End-to-End Strategy
  – Interest, participation, mentoring, rewards
• Community Management is Hands-On
  – Know your members & solve their problems
How Avoid Community Mistakes

• Community is a Company Culture
  – Everyone has a role, from leaders to coders
• No such thing as “Us and Them”
  – The stewards lead, the community influences
• Know-it-all Syndrome
  – Building a community means endless learning
Join the Conversation

• edk2.groups.io
  – devel & announce
• Bi-monthly Meetings
  – Bug Triage & Feature Design
• Monthly Community Meeting
Thanks for attending the 2019 Spring UEFI Plugfest

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