OCP Open System Firmware (OSF) Tech Talk Kickoff

Anjaneya "Reddy" Chagam, Cloud Architect, Intel
Ryan O'Leary, Software Engineer, Google
Dong Wei, Standard Architect and Fellow, Arm
Agenda

- OSF Project Overview
- OSF 2022 Plans
<table>
<thead>
<tr>
<th>Presenter (Company)</th>
<th>Time/Duration</th>
<th>Topic</th>
</tr>
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<tbody>
<tr>
<td>Ryan O'leary (Google), Anjaneya “Reddy” Chagam (Intel)</td>
<td>8:30 - 8:50 AM</td>
<td>OSF status and plans for this year</td>
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<tr>
<td>Ron Minnich (Google), Jonathan Zhang (Meta)</td>
<td>8:50 - 9:10 AM</td>
<td>coreboot on OCP systems</td>
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<tr>
<td>Jonathan Zhang (Meta), Johnny Lin (Wiwynn), Tim Chu (Quanta), Arthur Heymans (9E), Marc Jones (SysPro)</td>
<td>9:10 - 9:40 AM</td>
<td>OSF for Intel Xeon-SP OCP Servers Reaching New Heights</td>
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<tr>
<td>Bu, Daocheng (Amos) (Intel)</td>
<td>9:40 - 10:00 AM</td>
<td>Enabling Xeon runtime RAS capability for Open System Firmware (coreboot) using FSP-SMM</td>
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<tr>
<td>Kelly Bryant (AMI), Brian Mullen (AMI)</td>
<td>10:10 - 10:30 AM</td>
<td>Building SBoM for System Firmware</td>
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<td>Bryan Cantrill (Oxide)</td>
<td>10:30 - 10:50 AM</td>
<td>Towards Holistic Systems</td>
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<td>Jean-Marie Verdun (HPE), Arun Koshy (HPE)</td>
<td>10:50 - 11:10 AM</td>
<td>OSF-CI Contest status update</td>
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<tr>
<td>Jeff Booher-Kaeding (ARM)</td>
<td>11:10 - 11:30 AM</td>
<td>Update on SystemReady LS, Linuxboot on Arm</td>
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OSF Project Overview

- OCP Project since August 2019
- Incubation Committee Representative: Dong Wei
- Project Leads: Anjaneya “Reddy” Chagam, Ryan O'Leary
- Docs: [https://www.opencompute.org/wiki/Open_System_Firmware](https://www.opencompute.org/wiki/Open_System_Firmware)
  - Charter
  - Transition Schedule
  - Checklist
- OCP Platform Badging: OSF Checklist
  - Required for OCP Acceptance
  - Optional for OCP Inspired
  - [https://www.opencompute.org/wiki/Open_System_Firmware/Checklist](https://www.opencompute.org/wiki/Open_System_Firmware/Checklist)
  - Existing OSF submissions on Github: [https://github.com/opencomputeproject/OpenSystemFirmware](https://github.com/opencomputeproject/OpenSystemFirmware)
OSF Project 2022 Focus

• **OCP Platform Badging**
  - OSF Checklist revisions (beyond server host firmware)
  - OSF Badging for upcoming platforms

• **OSF Firmware Test & Validation**
  - Test & Validation Frameworks
  - Firmware Test Content
  - OCP Community Lab

• **OSF Specs/Collateral**
  - OCP White Papers (e.g., Why OSF?)
  - OCP Solution Guides

• **Cross Project Team Coordination**

• **Focused Technical Discussions**
  - Emerging OSF stacks (e.g., oreboot, Slimboot)
  - Runtime RAS
  - IBV OSF Enabling
  - LinuxBoot/kexec/Payloads
  - Firmware Support Package revisions