

UEFI fundamentals

Overview

- UEFI and PI specification overview
- UEFI development workflow and hardware interaction
- EDK2 code infrastructure and build process
- Detailed analysis of UEFI and PI boot flow
- Hands on experience with all booting phases
- Debugging methods
- PEIMs and DXE drivers development
- UEFI protocols overview and hands-on experience
- SMM in UEFI theory of operation and practical exercises
- Human interfaces and drivers configuration
- Boot process manipulation
- Legacy BIOS integration through Compatibility Support Module (CSM)

Audience

People with basic knowledge of Linux, C and Python building.
Minimal knowledge of computer systems architecture is required.

Materials

All training materials presentations and source code will be available for customer internal usage..



Duration

5 days

40 hours (8h/day)

50% lectures

50% hands-on workshop

Language

English.