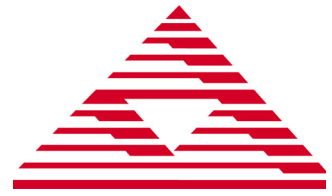


# Custom Training for Aptio Porting



## FLEXIBLE TRAINING PROGRAMS, TAILORED TO THE CUSTOMER

The introduction of Unified EFI (UEFI) in firmware development brings new opportunities to the world of BIOS development. Aptio source customers can leverage AMI's experience with UEFI to obtain training for this cutting edge firmware solution. Training programs can be conducted at the customer's facility; however, to get the full, hands-on experience, it is recommended for customers to be trained at one of AMI's offices. Training content & duration are based on customer requirements.

## FLEXIBLE PROGRAM ORGANIZATION

Aptio training aims to provide a complete overview of BIOS/UEFI fundamentals, as well as tips & tricks for implementation. AMI offers multiple options for training, which can be grouped to provide extensive coverage of the Aptio toolkit. Training programs are designed based on customer requirements.

The training course develops a full introduction to UEFI, the Intel Platform Innovation Framework for EFI, Aptio core architecture and AMI development tools:

- Introduction to Aptio: core design & eModule architecture
- Introduction to the Visual eBIOS (VeB) Integrated Development Environment (IDE)
- Component Information Format (CIF) and project management
- Using AMI System Description Language (SDL) to configure an Aptio project
- Source control methods using VeB
- Using Aptio support utilities (AMIBCP, MMTool, DMIEdit, ChangeLogo)

## HANDS-ON TRAINING

AMI training makes extensive use of the "hands-on" lab, a walkthrough of an actual implementation of VeB, CIF, SDL, source control and driver development. Training modules enable a detailed and hands-on introduction to the latest programming techniques:

- Platform porting based on the Customer Reference Board (CRB)
- Creating Pre-EFI Initialization (PEI) & Driver Execution Environment (DXE) drivers for Aptio eModules
- Customizing setup strings & multi-language support
- Using the Compatibility Support Module (CSM) for "legacy BIOS" compatibility
- SMBIOS eModule design & configuration
- Using AMI Debug for UEFI to debug firmware & shell applications
- Creating custom eModules for OEM features
- Utilizing the EFI Shell
- Incorporating drivers designed for the Intel EDK/EDKII into an Aptio project

## HIGHLIGHTS:

### Tailored to Each Customer's Needs

- *Flexible Training Agenda*
  - Scaled to match the audience's skill level
  - Module labs are based on source components licensed by the customer

### Worldwide Coverage

- *Pick your training location*
  - Train at AMI's home or international offices, giving your software team access to core developers for advanced questions
  - On-site training is available, bringing AMI's expertise to your location

### Training on Core Aptio Fundamentals

- *Four major units*
  - Basic Concepts: UEFI & the Framework
  - Introduction to Aptio
  - Module Lab
  - Advanced Porting
- *Expanded with optional units*
  - Aptio Support Utilities
  - Porting OEM features to custom eModules
  - AMI Debug for UEFI
  - Working with Intel EDK



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