

## Custom Training for Aptio 4.x Porting

### 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
- Customer hardware can be used for the training platform, combining board bring-up with training

### Worldwide Coverage

#### Pick your training location

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

### Builds Upon Core Aptio 4.x Training

#### Four major units

- Basic Concepts: UEFI & the Framework
- Introduction to Aptio 4.x
- Module Lab
- Advanced Porting

#### Expanded with optional units

- Aptio 4.x Support Utilities
- Porting OEM features to custom eModules
- AMI Debug for UEFI
- Working with Intel EDK

Contact an AMI software sales representative for more information

### 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 4.x source customers can leverage AMI's experience with UEFI to obtain training for this cutting edge firmware solution. Programs are administered by AMI's dedicated corporate training staff, conducted at a customer facility or AMI office. Training content & duration are based on customer requirements.

### Flexible Program Organization

Aptio 4.x training aims to provide a complete framework of BIOS fundamentals, as well as tips & tricks for implementation. AMI offers multiple levels of training, which can be grouped to provide extensive coverage of the Aptio 4.x toolkit. Training programs are defined based on customer requirements. The core course develops a full introduction to UEFI, the Intel Platform Innovation Framework for EFI, Aptio 4.x core architecture and AMI development tools:

- > Introduction to Aptio 4.x: core design & eModule architecture
- > Introduction to the Visual eBIOS (VeB) integrated development environment
- > Component Information Files (CIF) and project management
- > Using AMI System Description Language (SDL) to configure an Aptio 4.x project
- > Project management & source control methods using VeB
- > Using Aptio 4.x support utilities (AMIBCP, MMTTool, DMIEdit, ChangeLogo, ...)

### Hands-On Training

AMI training makes extensive use of the 'hands-on' lab, a walk through 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 PEI & DXE drivers for Aptio 4.x eModules
- > Customizing setup strings & multi-language support
- > Using the Compatibility Support Module (CSM) for "Legacy BIOS" compatibility
- > ACPI eModule porting & troubleshooting
- > USB eModule design & implementation
- > SMBIOS eModule design & configuration
- > Using AMI Debug for UEFI to debug firmware & shell applications
- > Creating custom eModules for OEM features
- > Utilizing the EFI Shell as a test and debug environment
- > Incorporating drivers designed for the Intel EDK ("TianoCore") into an Aptio 4.x project

*Superior engineering has been the cornerstone of AMIBIOS® since 1986. Aptio extends this experience into another generation of x86 platforms, offering innovative UEFI solutions anchored on innovative development tools and widely recognized industry standards.*

*For more information, visit [www.ami.com/aptio](http://www.ami.com/aptio)*



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