



ARMv8-A Architecture Overview (64-bit)

Summary:

This short course is an introduction to the ARMv8-A architecture. It covers the development of ARMv8-A and its relationship with the earlier architecture and describes the major features which would drive the choice of an ARMv8-A device in a particular application.

Prerequisites:

- Knowledge of ARM architectures prior to ARMv8-A is assumed.

Audience:

Senior management, technical leaders and engineers who need to evaluate whether ARMv8-A is the right choice for a product development or who need to get a quick update on the major features in the architecture.

Length:

3 hours

Modules:

- Development of the ARM Architecture
- Major Features of ARMv8-A
- The A64 Instruction Set
- AArch64 Exception Handling
- Memory Management in AArch64
- Virtualization Support
- Tools and Development Solutions