



## **ARMv8-A Architecture Overview (64-bit)**

### **Summary:**

This live WebEx delivered course provides a technical 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. As well as hearing first hand from the engineer, you will also have the opportunity to ask questions to gain further specific knowledge on the subject.

### **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