



## **ARMv8-R Virtualization**

### **Summary:**

This live WebEx delivered course discussed the motivations and use cases for Virtualization in realtime systems. It will provide a technical introduction to the features provided in the ARMv8-R Architecture to support the implementation of virtualized systems. 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:**

- Familiarity with realtime system design
- Proficiency in C and assembly language programming

### **Audience:**

Those who need to use the architectural features of ARMv8-R to support the design of systems using realtime Virtualization.

### **Length:**

4 hours

### **Agenda:**

- Introduction to Realtime Virtualization
- Overview of the ARMv8-R Architecture
- Memory Management
- Virtual Exceptions
- Device Management
- Security and Safety
- Real-time Implications