

## Arm System IP - NIC-400 and AXI Overview

### Summary

At the end of this course, delegates will be able to

- Understand the structure of an AXI interface
- Understand the AXI transaction flow and related ordering rules
- Understand potential for deadlocks in an AXI interconnect
- Configure and integrate a NIC-400 implementation based on address map and system requirements
- Interpret transactions being received and propagated by the NIC-400 in the system

### Prerequisites:

A basic knowledge of interconnect design challenges. System integration knowledge.

### Audience:

Engineers who work in a SOC project and take charge of the NIC-400 definition and integration. Also, engineers who are in charge of NIC-400 bring-up or full-SOC verification.

### Length:

5 hours

### Modules:

Overview

- AXI protocol description
- Designing/configuring an AXI interconnect: configuration choice and system-level challenges
- NIC-400 IP HW overview