

Arm NI-700

Summary

NI-700 is a non-coherent packetized backplane interconnect.

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

- Understand the purpose of the NI-700 interconnect
- Understand the configuration options and some of the trade-offs between them.
- Integrate the NI-700 within their system
- Configure the NI-700 using the Socrates tooling

Prerequisites:

- A knowledge of the AXI protocol. If necessary, the class can be extended to cover these protocols.
- Useful to have knowledge of AHB5 and APB, although not essential
- System integration knowledge

Audience:

- SoC / Interconnect architects designing the interconnect back plane.
- Integration and verification engineers who will need to configure and verify the functionality of the interconnect

Length:

1-day

Modules:

NI-700 Hardware

- Concepts
- Components
- Interconnect Device Management
- Resource Planes
- QoS
- Clock and Power
- Programming

Socrates NI-700 Creation

- Arm Socrates IP Tooling
- NI-700 Creation Flow
- Socrates GUI
- Specification
- Canvas
- Automation Flows
- Performance Testing
- Deliverables