

Arm Socrates - CoreLink NIC-400 Creation

Summary:

The course introduces the Socrates IP Tooling family and provides detailed material how to design CoreLink NIC-400 interconnect with Socrates. The training contains labs that help the audience to ramp up on the tool faster.

Prerequisites:

- Familiarity with CoreLink NIC-400 interconnect
- Familiarity with ARM technology

Audience:

Hardware design engineers who need to build CoreLink NIC-400 interconnect and embed it into their design.

Length:

Duration:

- On-site: 1 day (theory + demo + Q&A + Labs)
- Webex: 0.5 day (theory + demo + Q&A)

Agenda:

- 0.5 day (on-site, webex): Technical presentation + Q&A (approx. 4 hrs)

1. Overview

- Arm Socrates IP Tooling
- NIC-450 IP Library
- CoreLink NIC-400 Creation

2. CoreLink NIC-400 Creation Flow

- Configure Arm IPs and Generate IP-XACT
- Create a new NIC-400 IP Component
- Populate the Specification
- Edit the Specification
- Validate the Specification
- Generate the μ Architecture
- Refine the μ Architecture (Optional)
- The Update Flow
- Generate Deliverables
- NIC-400 Lite

3. Demo session showing the particular design flow including the main tool features and capabilities

- 0.5 day (only on-site): Lab session where each attendee works individually with the tool by completing the provided workbook with our assistance when necessary (approx. 3.5 hrs)