

## An introduction to Arm Compute Library

### Summary

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

- **Know** the main features and functions of Compute Library, and also know how to build Compute Library.
- **Understand** the structure of Compute Library.
- **Gain** knowledge about how to optimize and implement algorithm using OpenCL.
- **Comprehend** Winograd algorithm and know how to implement it.

### Prerequisites:

Some background knowledge about OpenCL and Machine Learning.

### Audience:

Engineers who work on Machine Learning projects and would like to use Compute Library in their projects.

### Length:

3 hours

### Modules:

Introduction and Optimization Courses

- Compute Library Introduction
  - Overview
  - Compiling
  - Structure
- Optimization Case Study
  - Gaussian Pyramid Optimization
  - Integral Image Optimization
  - SGEMM Optimization
  - Winograd Implementation