

## Arm Energy Awareness Scheduling

### Summary:

This course has been designed to cover the knowledge introduction for integrating and tuning the Energy Awareness Scheduling (EAS) solution on Arm/Linux system.

### Prerequisites:

- Thorough knowledge of the Armv7-A or Armv8-A Architecture
- Familiarity with C and Python programming
- Knowledge of Linux kernel, especially on Linux scheduler
- Knowledge of Android system and benchmarks

### Audience:

The course is aimed at software developers who are trying to integrate EAS and tune EAS on Arm/Linux.

### Delivery Method:

- Private face to face classroom
- Series of short live virtual training sessions

### Length:

2 days

### Modules:

- EAS Technical Overview
- EAS Code Deep Dive
  - PELT vs WALT
  - Schedtune
  - DynamIQ support
- EAS Behaviour Analysis
- EAS Tools Introduction
- EAS Integration, Debug and Optimization
- EAS Tuning Workshop
  - LISA toolkit practical
  - EAS behaviour analysis practical
  - EAS tuning practical
  - EAS Android benchmark evaluation
  - EAS energy model creation