



Android

Porting, tailoring and programming Google's Android embedded operating system

The Android operating system, developed by Google and based on the Linux kernel, is used more and more frequently not only on smartphones but also for dedicated embedded devices, notably in the "Machine to Machine" market.

ac6-training proposes trainings on the porting of the operating system on your board and its tailoring to your specific needs, as well as creating embedded applications running on the Android system.

Vous pouvez visualiser les descriptifs détaillés des différents cours en utilisant la barre de navigation ci-dessus. Vous pouvez également cliquer sur les références des cours dans les descriptions ci dessous.

Cours principaux

G1 - Android Installation Android installation on a hardware platform

G2 - Programmation Android Programmation d'applications pour la plateforme Android

G3 - Android Internals Porting the Android System and Framework Architecture

Installing Android on a new platform is a complex process requiring a deep understanding of the internals of the Android frameworks and the Hardware Abstraction Layer. This course explains how the frameworks are structured and can be adapted to a platform on which a basic Android port already exist.

G4 - Android Porting and Internals Porting the Android System and Framework

Installing Android on a new platform is a complex process; you need to port first the Linux kernel then install the Android platform. This second step requires a deep understanding of the internals of the Android frameworks and the Hardware Abstraction Layer. This course cover both phases, with a special emphasis on the multimedia frameworks.

Autres cours

D3 - Drivers Linux Ecritures de drivers Linux

Ce cours couvre les différentes techniques nécessaires à l'écriture de drivers Linux (2.4 et 2.6), la gestion de bus (PCI...), le hot-plug et l'auto-configuration des périphériques et la gestion multi-coeurs dans les drivers.