

Porting, tailoring and programming Google's Android OS

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.

Installing Android on a new platform is a complex process. You need to port first the Linux kernel then install the Android OS. This course will explain all the required steps, from building the kernel and the platform tools to creating the boot process and creating test applications. This course will explain how they are structured and how Android allows to combine portability and performance in applications. This course explains how the frameworks are structured and can be adapted to a platform on which systems have not been already existing. Building these application developers to benefit from the tools developed for consumer electronics devices (x) drivers and management of Linux drivers. This course covers the management features of the Linux kernel. This course delves into the concepts of Linux drivers interaction with power drivers. 3 days Inquiry