



Java USIM Applet Development

Rapidly begin to Develop, Test & Debug your own VAS Applications

Creating new services has until now required long development cycles and proprietary implementation.

Using Java Card based SIM cards and Gemalto development & testing tools, you can now work in-house, and transform ideas into revenue-generating applications in a matter of days.

This training course will allow you to rapidly get to know how to use the Toolkit API & Developer Suite tools, and begin developing and testing your own VAS applications.

At the end of the training you will

- > Be able to design and write your own 'interoperable' STK applet.
- > Be able to test and debug your STK applet
- > Have an overview on how avoid common traps when designing EEPROM embedded Java card applets.
- > Get some tips on how to optimize your code to gain in time and speed.

Who should attend?

- > Development staff

Pre-requisites:

- > A basic knowledge of object-oriented programming is mandatory
- > It is strongly recommended that you follow the "Java 3G Card Administration" course before attending this course.

This course is held in English



PROGRAM

Reminder on Java card architecture (JCRE, VM)

Basic Description of Java card API

Detailed Description of 43.019 API

Practical Exercises

- > Import existing project

Create new project & debug using card simulator

- > Practical Exercises

Overview on Optimisation of code in size & speed

- > Practical Exercises

Advanced debugging techniques

Practicals

- > Add a new STK menu to an applet implementing a proactive command, compile/convert/
- > load/install/test
- > Add a new service in an applet using the event SMS_PP and other proactive commands.
- > Configure an OTA communication chain to test and debug your applet.