

# Gemalto Developer Suite

||||| A fast track to new-generation (U)SIM solutions



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# Gemalto Developer Suite

||||| A fast track to new-generation (U)SIM solutions

As today's (U)SIM cards increase in complexity, they're opening up fantastic opportunities in areas such as Near-Field Communications and Multimedia - but they're also presenting wireless solution developers with a new challenge - how to develop and prove the killer application for the new generation of handsets and (U)SIMs which are not yet available on the market?

Some developers are tackling the issue by putting greater emphasis on the validation process, loading applications onto the cards and testing them with a range of mobile handsets. Others are using additional on-card libraries to debug their applications. Some have access to proprietary card emulators, in close cooperation with the card vendor - but that's an expensive approach.

## Straightforward solution

Now, there's a straightforward solution that's available to all - the Gemalto Developer Suite. This set of development and simulation tools that allow developers to create and debug their wireless solutions, using the powerful and open Java-based Eclipse IDE, within an end-to-end simulation environment.

### > Developer Suite consists of:

- Card simulators for current generation cards, and for more advanced cards such as those incorporating NFC, and Multimedia Cards with embedded Smart Card Web Server
- Mobile Simulators, for 2G, 3G and CDMA mobiles
- Network Simulator
- Server Simulator

## Gemalto Developer Suite

### > Development Tools:

- Eclipse-based
- Code generators covering all technologies
- Basic file system editor
- SCWS static content explorer

### > Simulation Tools

- Card Simulators
- Mobile Simulators
- Network Simulator
- Server Simulator
- NFC Tag Simulator
- NFC Card Reader Simulator

### > Additional Features

- Application Manager
- Sending/Receiving SMS over a live network

## Life cycle support

The result? An easy-to-use package that supports the developer at every stage of the development life cycle:

- > **Code generation** - for each technology, we provide samples of generated code, ready to run, which offer the foundation for the developer's own business logic.
- > **Debugging** - developers run, debug and rerun their solutions within an end-to-end simulation environment.
- > **Deployment** - Once the solution is working in the simulation environment, the Application Manager allows developers to load their applications onto a real card and test them on a real handset - and over a live network.

## Benefits all round

Gemalto Developer Suite offers major benefits for all those involved in creating and delivering solutions that will make the most of new-generation (U)SIMs

- > Solution Providers now have all the tools they need to develop their wireless solutions, and - importantly - a simulation environment that allows them to demonstrate those solutions effectively to mobile operators.
- > University Departments now have the easy-to-use tools they need to ensure their students master new smart card technologies
- > Operators and handset manufacturers now have powerful and straightforward tools for testing cards and solutions before deploying them to end users.

**Developer Suite's end-to-end simulation environment means that developers can now work on advanced solutions even before the technology is widely available. The value of this approach is confirmed every year, at the Gemalto SIMagine Contest final at MWC Barcelona, when small companies - completely independent of mobile operators, smart card vendors and handset manufacturers - present advanced, creative solutions based on technologies such as Near Field Communications and Smart Card Web Server.**