

Case study: Nokia

In 2005 we started to become involved in the Maemo platform built for the Nokia Internet Tablet devices. Lanedo's experienced developers have been helping Nokia since 2005 to develop several GNOME software projects, including D-Bus, GnomeVFS, GTK+ and Tracker.

GNOME Software Stack

GnomeVFS played a big part in the platform, providing all file system functionality for applications. We were involved in supporting feature requests such as INotify (the kernel API for file system notification) and bug fixing a multitude of issues.

We continued to develop and improve various GNOME technologies used in the platform by Nokia. Among other things, we developed the Bluetooth back-end for GnomeVFS, making it possible to browse your phone's file-system from the Internet Tablet.

Application Development

With a strong background in GNOME application development, our developers were chosen to work on two important applications for the internet tablet. These projects involved collaborating with Nokia's UI designers to design and develop the applications from the ground up.

GTK+ Stack

The Nokia 770 was launched in the summer of 2005, with a big release party at GUADEC (the yearly GNOME conference) in Stuttgart. It was around this time that the decision to focus on the GTK+ library started to become evident and GTK+ core developers joined us to further strengthen the offerings around the toolkit.

Nokia was quick to realize the potential in working with our developers to move their customized version of GTK+ (Maemo GTK+) closer to the community version. The work that was started in 2006 has consisted of breaking up the 50 000 line patch into manageable chunks and iterating over these to rewrite them to meet the GTK+ standards as well as solving the integration of new features without breaking the GTK+ stability contract of never breaking its binary interfaces within a major release cycle.



Throughout the years we have continued to deliver first class support around the GTK+ platform and have been given an increasing amount of responsibility to manage this core technology. What started with a simple plan of integrating the Maemo GTK+ changes into the community version has grown into Lanedo maintaining and taking care of any major changes in Maemo GTK+. This has involved upgrading to newer versions of GTK+, solving difficult toolkit bugs, improving performance, developing new functionality and enhancing existing features.

Tracker Development

In late 2007, Nokia decided to research possible solutions for Indexing the user's data on their devices. The Tracker project was the natural choice given its feature completeness. Since then, our developers have been highly involved in implementing Nokia's requirements, bug fixing and performance testing.