



The Multi-platform C++ GUI Toolkit.



A GUI Toolkit for

Qt is a multi-platform C++ GUI toolkit. It gives you the power to develop state-of-the-art graphical user interfaces for your applications, and easily port them to new platforms. The two screenshots you see on this page shows the same Qt-based application running on Microsoft Windows and Unix/X11.

Designed for Real Work.

Qt is designed by programmers with firsthand experience in using the toolkit for real work. At Troll Tech, we use our own toolkit for making real, commercial applications, thus learning the hard way exactly how the API should be designed.

“Qt has a lot to offer . . . fully object-oriented, easily extensible and much faster than Motif for important operations. Its architecture is cleaner than Motif’s. Qt is exceptionally well documented . . .”

– Cameron Laird, SunWorld,
March 1998.

We have seen how these tools work for only the simplest applications. After the first prototype is made, and the real, demanding customer requirements start to come in, then you don’t want to be locked in with a tool that limits your creativity. And you definitely do not want to maintain the “write-once, read-never” sort of code typically produced by such tools.

What you want is an open toolkit that gives you real control: Qt.

Peer Review.

We invite you to look under the hood: Qt is provided with full source code. We’re not shy about our code; we’re proud of it!

The Qt source code has been scrutinized by hordes of programmers in the free software community for years – giving us valuable feedback, which we use to continually tune our toolkit to better usability and performance.

We know that no design is ever done after the first try. The Qt API is the result of continuous design iterations, refinement, and enhancement of the classes. We know that this is the only way to achieve the standard that both you and we want.

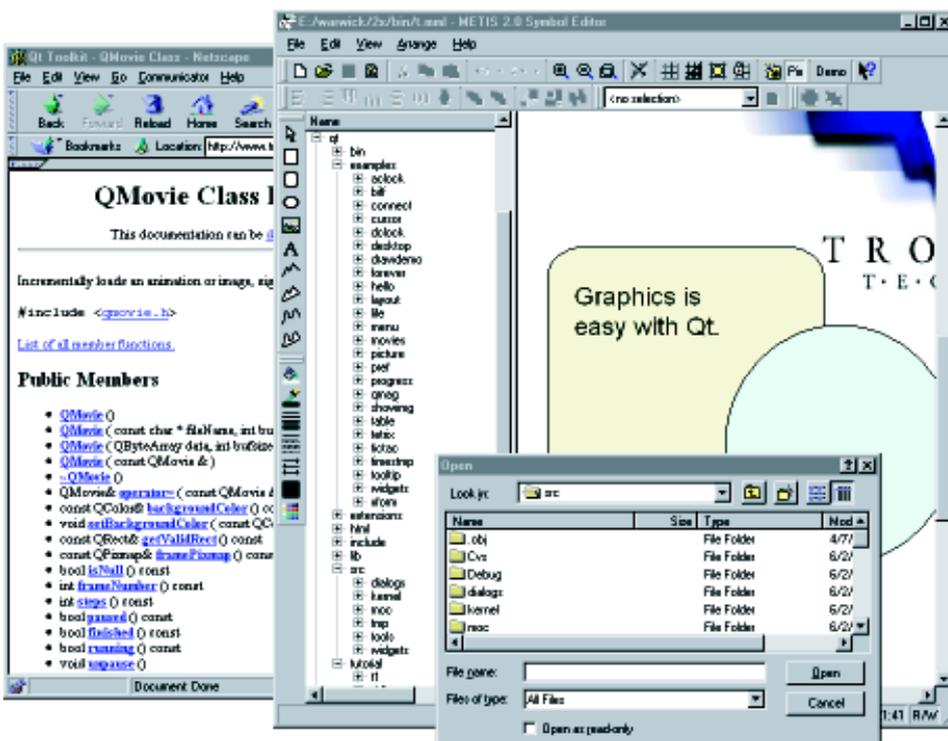
Revolution? No Thanks.

For decades, new, “revolutionary” Rapid Application Development products have been released. No revolution has happened. And you know why: It simply doesn’t work..

Real Extensibility.

No toolkit can offer everything you will ever need. A real application will always have special requirements for data display and user interaction; it will need custom-made widgets. Have you ever tried to design your own widget using Motif? Or MFC? Then you will know why we have designed Qt with extensibility built in from the start.

Making your own widgets with Qt is a simple matter of us-



Real Development.

ing C++ inheritance; there are no hidden details. The standard widgets in Qt are designed to be inherited, so you can easily extend their functionality to cover your specific needs. All the standard widgets are made in this way, and you can study their source code for yourself.

On-Line Documentation.

The Qt Reference documentation is provided on-line in HTML format, and is fully cross-referenced. It is automatically generated from the code, so it is always up-to-date.

Technical Support.

At Troll Tech, we take pride in providing our customers with the best technical support. Inquiries are handled by the Qt developers themselves, so you can be assured of getting real help.

Component Programming.

Qt is designed to allow you to develop your code as independent, reusable components. We achieve this by the unique signal/slot mechanism in Qt, which gives you all the power of callbacks, but without the sender and receiver having to know about each other, and with the added power of type safety.

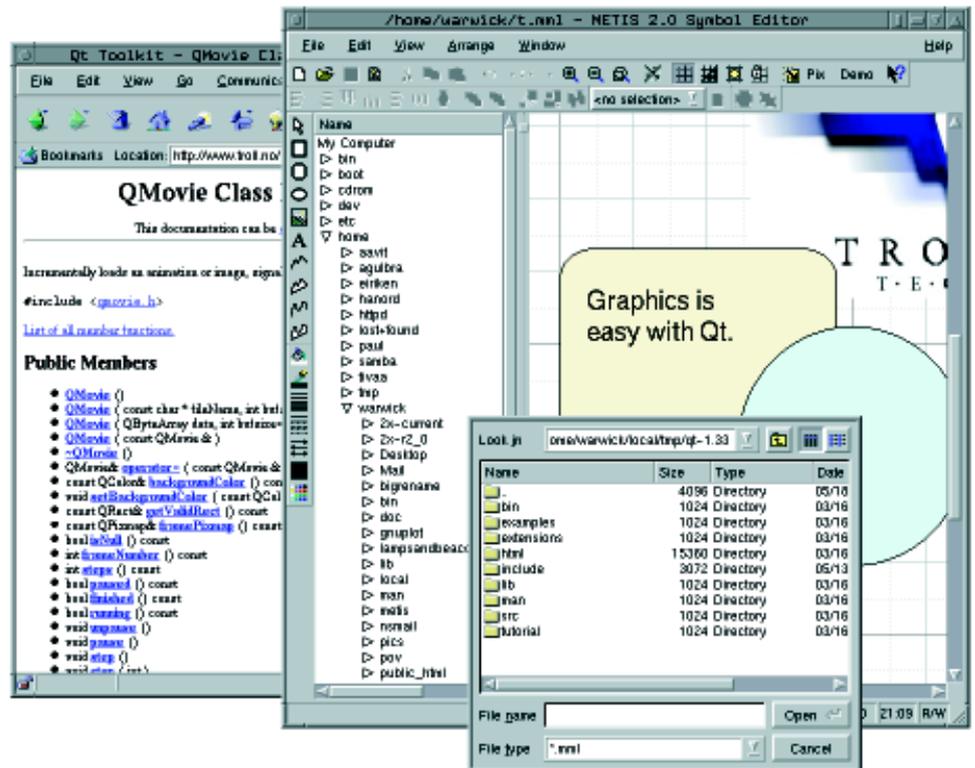
The signal/slot mechanism overcomes the problem of fitting C++ to the demands of event-driven programming.

“Qt is not for programmers who want an animated paper clip on their screens, telling them to remember to put a semicolon at the end of every C++ statement”

– Qt developer

No Empty Promises.

We will not promise you that by using Qt, you will increase your productivity 10 times, or that you will be able to make your application in a day, or any similar presumptuous assertions. Our industry is riddled with software development products that make such claims, but experienced developers know that it



doesn't work that way. Making real applications takes real work – there is no easy way out.

Instead, let us give you a real example of productivity. A team of seven programmers were able to port the front end of Netscape Navigator to Qt in only five days. The front end, consisting of several hundred thousand lines Motif and MFC based C/C++ code, was replaced with only twenty thousand lines of Qt-based code. The result is a browser called QtMozilla. You can see it in the screenshots, and you can download it from our web site.

We believe that the only thing that can really improve your productivity is to use a toolkit that enables you to give your applications a clean, efficient, readable and maintainable design.

Qt is such a toolkit.

Qt. Software That Makes Sense.

*Qt is used all over the world for creating the GUI of successful applications.
Qt provides total platform independence, turning the job of porting your application to new
operating systems into a simple matter of recompiling.*

- **Mature.**

Qt has been used for more than 2 years by the European Space Organization/ESTEC as a basis for development of satellite simulation systems.

- **Modern.**

Qt is continually being improved and extended with new GUI elements. Qt supports the building of Netscape and Explorer plug-ins, as well as OpenGL applications.

- **Popular.**

Our X Free Edition has gained widespread acceptance as the leading C++ GUI toolkit for X Windows freeware, and is the basis of the KDE desktop environment.

- **Portable.**

Qt supports Microsoft Windows 95/NT, Solaris, HP-UX, Digital UNIX, Irix, Linux, and more. Qt-based applications are ready for the fast-growing number of Linux-based PCs.

- **Efficient.**

Qt is highly optimized for execution speed and is memory conservative.

- **Safe.**

Your investment in Qt is future-safe. In the unlikely event that Troll Tech should be unable to maintain Qt, the latest version is guaranteed to be released to the free software community, which can provide continuity.

- **Beautiful.**

The Qt programming interface is elegant and intuitive. Users say that Qt gives them the feeling that *"this is the way things were always meant to be."*

For further information, please contact us or consult our web site



<http://www.troll.no>

General inquiries: info@troll.no

Pricing and availability: sales@troll.no

Phone: +47 22 97 00 60

Fax: +47 22 64 69 49