Qtopia for KDE developers
That Size-and-matters-thingy

Remember that PC you had 5 years ago?

- That hardware is in your phone now
Screens :)

Qtopia BY TROLLTECH.
ONE PLATFORM. NO LIMITS.
So what is it?

Qtopia contains...

- Qtopia Core
  - a.k.a “Qt/embedded” - same Qt API as on the desktop
- Qtopia Platform
  - Gives you all those phone services (calls, messaging.....)
  - “kdelibs” for phones
- Qtopia Phone Edition
  - Contains the launcher and some reference applications
  - “kdebase” for phones
How does Qtopia fit with KDE?
How does Qtopia fit with KDE?
Anticipated Outburst I

But – QWS hijacks the framebuffer!

- You have to understand that QWS is the windowing system
- If your toolkit already has a WS abstraction, interface with Arthur
No difference between Qt and Qtopia Core hacking?

- The same Qt APIs are used to write embedded apps
  - Note: Some parts are typically left out to save memory
  - Okay, if you want to be a good citizen, you’ll have to change some lines
  - Yes, your desktop UI will look silly on a 176x220 display
So how do I develop for it?

Easy quick solution

- Download the VMware Image, read the quick start tutorial, start hacking
I don't like VMware since ...

- it's slow to compile
- I don't have enough RAM
- I lose my super-special environment
- it doesn't work on my PPC
Anticipated Outburst II

- I don't like VMware since ...
  - ... it's slow to compile
  - ... I don't have enough RAM
  - ... I lose my super-special environment
  - ... it doesn't work on my PPC

- Copy the tool chain from the image to your distro
  - ... or build it yourself, if you're tough
So how do I develop for it?

Easy quick solution
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gph script does a lot for you
- `gph -C x86` - sets x86 as target
- `gph -i` - installs the current project to the phone
- `gph -p` - creates an installable package for the current project
Anticipated Question

Do I need a Greenphone?

- No. You can use QVFB and the Phone Simulator.
How will it go on?

We have some cool new stuff coming up in Qtopia 4.3

- Non-VMware SDK
- Improved Startup Times
- New Eye Candy
- Lots of under-the-hood improvements
Hope you enjoyed!

Thank you for your attention!
Why is the Greenphone so expensive?

- It's not a phone, it's a developer board
- We created only a small amount of devices
- We're not making any money with it – the GP is an enabler technology
- ... and you'll get one for free if you have an interesting project.