eRCP Project, today and tomorrow

Gorkem Ercan, Nokia, Finland
What is eRCP

- eRCP is the embedded version of the Rich Client Platform
- Project was launched by Nokia, IBM and Motorola
- Utilizes standard OSGi Service Platform
- Reduces RCP size and functionality to fit on devices
- Pushes requirements/patches back to core components
  - Enable running core components on JME CDC/Foundation Profile
  - Keep dependencies in check
- Adds components to enable application binary compatibility across a range of devices
What is eSWT

- Subset of SWT and additional mobile specific widgets
- Provides efficient, portable access to the user interface facilities of the operating system
- Consists of 3 packages
  - SWT subset divided into two
    - *core* package
    - *expanded* package
  - *mobile* package - new eSWT components defined for mobile world
How does SWT widgets look on a device
Industry News: eSWT with Java ME Midlets

- Java ME MIDP is the most common computing platform
  - 700+ million java enabled phones
  - 635+ java enabled phone models from 35+ vendors
- Available on all Nokia S60 3\textsuperscript{rd} Ed. FP2 devices
- Alternate UI toolkit for Java ME applications
Industry News: Sprint Titan

- New Java/OSGi based service platform for phone apps
- Multiple app model support (MIDP2, eRCP, Bundles, Web Apps)
- Full remote management support via OMA-DM/DL
- Advanced security model

- **Toolchain** offered by ADP
What is Next

• eRCP 1.2 is due this summer
  ◦ Following eclipse 3.4 release
  ◦ New APIs in eSWT
• eRCP move to new runtime top level project
• Excited about p2 and e4
  ◦ Seeking ways to integrate p2
  ◦ Participate on e4 work
Conclusion

• eRCP brings the RCP paradigm to mobile devices
• Website
  ❖ [http://www.eclipse.org/ercp](http://www.eclipse.org/ercp)
• Newsgroups
  ❖ [news://news.eclipse.org/eclipse.dsdp.ercp](news://news.eclipse.org/eclipse.dsdp.ercp)
• Always looking for contributors!