Outline

The Importance of Eclipse and TmL

Nature of an End-to-End Mobile Linux IDE

Overview of current Implementation

Future Vision

TmL Technology (2008)

A framework for defining the types of devices that can be simulated/communicated

A mechanism for defining the states of execution and the transitions between those states

Reference implementation provides a VNC Viewer plugin to Eclipse from a Linux or React target OS

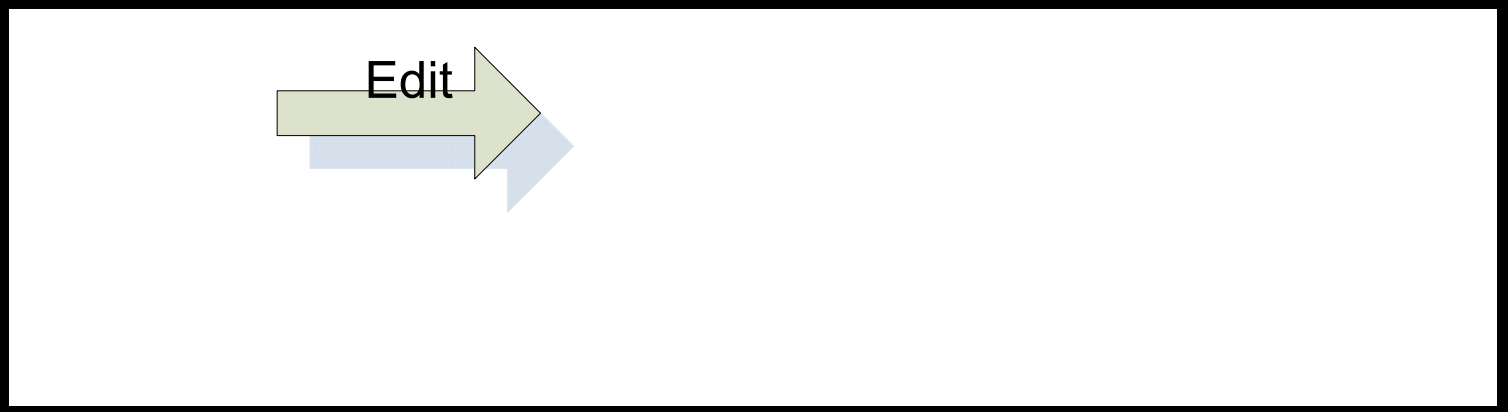
Available today on Eclipse CVS servers

End-to-End Development for Linux Apps (2008)

Eclipse Core + CDT provides editing and compilation

DD (Device Debugging) provides breakpoint management, register reading, stack crawl, etc.

TmL provides deployment, connection, emulation, and interaction between the user and the running target



TmL Technology (2008 and beyond) cont'd

Bring desktop development tools and methods to device development by integrating, contributing and extending other Eclipse projects

- Performance profiling
- Memory analysis
- Event logging
- Live and post-mortem analysis

Deployment to Linux-based…

- Development boards
- Emulators
- Mobile devices

End-to-End Development for Linux Apps (Beyond 2008)

TM (Target Management) provides connection to the target device

TPTP (Test & Performance Tools) provides diagnostics, reports, and test

TCF provides data transfer and application deployment