Parallel Tools Platform Project
Move Review

Greg Watson
Beth Tibbitts
December 2006

Introduction

The proposal is to move the Parallel Tools Platform (PTP) project from the Technology PMC to the Tools PMC. The following slides describe the background and rationale.

Background

- Created as an Eclipse technology project in 2005 to simplify the development of parallel programs
- Provides a generic interface for launching, controlling and monitoring programs on arbitrary parallel computing systems
- Provides the only open-source parallel debugger currently available
- Provides static analysis tools to aid in the development of MPI and OpenMP programs

Reasons for moving

- Maturity
    - No longer a technology incubator project
- Growing community
    - Monthly meetings regularly attract 10+ participants
    - Increasing number of contributors
    - Contributions from non-core participants
    - Ad-hoc parallel performance tools group formed
- Regular release planning and deliverables
    - V1.0 released in 2Q06
    - V1.1 planned for 4Q06
    - V2.0 planned for 2Q07

Reasons for moving

- Better alignment with Tools charter
    - *The Eclipse Tools Project encompasses the tools being built for the Eclipse Platform. The main focus of these tools will be development tools such as computer programming language tools (compilers, editors, debuggers), performance tools, and test tools.*
- Close collaboration with CDT project
    - Both share static analysis infrastructure
    - C/C++ and Fortran essential to parallel application development
    - Both CDT and PTP will need to support multicore in the future

Organization

- Project lead
    - Greg Watson (LANL)
- Committers
    - Beth Tibbitts (IBM)
    - Craig Rasmussen (LANL)
    - Randy Roberts (LANL)
    - Clement Chu (Monash)
    - Tianchao Li (TUM)
- Contributors
    - Wyatt Spear (Oregon)
    - Don Pazel (Google)

Questions?