Module 7: Other Tools

Objective
- Learn about other tools related to PTP
- PTP upcoming features
- Where to go for further information
- Tutorial feedback

Contents
- Links to other tools, including performance tools
- Planned features for new versions of PTP
- Additional documentation
PTP-Related Tools

✦ TAU – Tuning and Analysis Utilities
  ✦ http://www.cs.uoregon.edu/research/tau
  ✦ Eclipse plug-in integrates instrumentation for PTP

✦ Performance Explorer
  ✦ Performance visualization Eclipse plug-ins from IBM Research
Useful Eclipse Tools

- **CDT** – C/C++ Development Tools
  - [http://eclipse.org/cdt](http://eclipse.org/cdt)
- **TPTP** – Testing and Performance Tools Platform
  - [http://eclipse.org/tptp](http://eclipse.org/tptp)
- **Python**
  - [http://pydev.sourceforge.net](http://pydev.sourceforge.net)
- **Subversion (CVS replacement)**
  - [http://subclipse.tigris.org](http://subclipse.tigris.org)
PTP Upcoming Features (1)

- **PTP 1.1 (4Q 2006)**
  - Resource management
    - Support for viewing of jobs in queues
    - One resource manager supported, probably SLURM
  - Additional runtime support
    - MPICH2
  - PLDT enhancements
    - OpenMP support
PTP Upcoming Features (2)

- PTP 2.0 – Summer 2007
  - Remote services support
    - Allow projects to reside on remote systems
    - Ability to build projects remotely
    - Ability to launch and debug projects remotely
  - Resource management
    - View and query the status of queues
    - Submit and control jobs
    - Second implementation of a resource manager
      - Possibly LoadLeveler or LSF
PTP Upcoming Features (3)

✦ PTP Performance Analysis Framework
  ✦ Goal: Integrate Instrumentation, Measurement, and Analysis for a variety of tools
Recent PTP Publications

  - Link on http://eclipse.org/ptp web page
  - Link on http://eclipse.org/ptp web page
- IBM developerWorks article:
PTP Tutorial Feedback

- Please complete feedback form
- Your feedback is valuable!

Thanks for attending
We hope you found it useful