

**Other user reports/User Requirements  
PTP User-Developer Workshop, September 18, 2012  
[http://wiki.eclipse.org/PTP/workshops/September\\_2012](http://wiki.eclipse.org/PTP/workshops/September_2012)**

Beth Tibbitts, IBM tibbitts@us.ibm.com  
4:15 p.m.

**User requirements: Improvements or new features that would make PTP an indispensable tool for you (including refactorings)**

**Notes from group discussion**

- 1. HPC User Workflow – wiki design page (Fernanda Foertter)**  
[http://wiki.eclipse.org/PTP/designs/hpc\\_user\\_workflow](http://wiki.eclipse.org/PTP/designs/hpc_user_workflow)
- 2. RCP standalone app – System monitoring**
- 3. Usability topics follow:**
- 4. Environment Management**
  - a. Project Preferences – Wizards vs. export/import of project preferences, configuration details, res mgr/target system configuration info**
  - b. Script template**
  - c. Environment variables dependent on the system**
    - i. E.g. conditional values**
- 5. Custom Configurations for your site – how to generate – take generic configuration, copy & modify**
  - a. E.g. email setting**
  - b. (Demo tomorrow – See Greg Watson’s talk: “Adding support for a new JAXB resource manager”)**
  - c. Need easier import mechanism (as opposed to creating ResourceManager project in workspace)**

- 6. Debugging support for Other schedulers and runtime systems (add to Kepler planning list)**
- 7. Executing and managing multiple builds – deployment (See Jay Alameda’s discussion talk tomorrow)**
- 8. New Project creation / Scenarios for project creation**
  - meta-wizard asks questions, helps you make decisions about what kind of project you need, based on what you might want/need it to do**
  - existing project wizard – to change things like synchronization, remote system connection, new language, etc.**
- 9. Eclipse Cheatsheets for common user scenarios (“tutorial” built into eclipse/PTP)**
- 10. Testing (Of user’s code?)**
- 11. How to test PTP**
- 12. Use cases for multistep workflows (e.g. build, run, analyze) – requested by Wyatt Spear**
- 13. Manage multiple runs – Wyatt has a start for this using ETFw (External Tools Framework in PTP)**
- 14. Provenance – keeping track of multiple runs, their input, results, etc. (Wyatt/ETFw)**
- 15. Funding (discuss Thursday afternoon)**
- 16. Separating synchronized projects from CDT build configurations – to support other project types (e.g. java, ...)**
- 17. Standalone applications – other pieces of PTP to carve off? E.g. similar to Greg Watson’s demo of “Stand-alone Eclipse RCP App for System Monitoring Only” – see**
  - a. Debugger? Launch/run debugger without setting up project in eclipse**
  - b. Launch other tools – performance tools?**
- 18. Graphics/imagery needs? Use of visualization E.g. like valgrind from Eclipse linuxTools project**

- 19. Refactoring**
  - a. List of refactoring ideas – put on Kepler planning page**
- 20. CDT's Codan (Code Analysis) locates semantic errors  
something similar for Photran? Pluggable framework**
- 21. NVidia tools? Compare their (Eclipse?) tools with PTP features**
- 22. Grid computing (e.g. XSEDE) – HPC Cloud ...**
- 23. G-eclipse – anything we can adopt? It's an orphaned Eclipse project.  
[http://eclipse.org/geclipse/contributing.php#svn\\_checkout](http://eclipse.org/geclipse/contributing.php#svn_checkout)  
note: SVN disappears from eclipse.org end of 2012?  
g-eclipse on xsede?**
- 24. PTP User Advisory Board – see discussion outline on Tuesday 18 Sept "Welcome and Introductions" by Jay Alameda**