Creation Review:

Eclipse Data Tools Platform Enablement Project

Overview

- DTP provides extensible frameworks and tools for data centric applications

- DTP 0.7/0.9 releases achieved substantial baselines in both of these areas

- Yet we have a "device drivers" problem
  - Need specialized support for data sources to fully leverage DTP frameworks and tools
  - DTP core committers do not have time and experience to support the range of data sources that are requested

- Enablement will be a project for specialized data source support within DTP

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Why within DTP?

- Could achieve same functionality in
    - Commercial products
    - Other open source projects (e.g. SourceForge)

- Benefits of being DTP project
    - Open source using EPL
    - Conforms to Eclipse IP standards and policies
    - Enablement committers closely work with other DTP committers
    - Easy to distribute and install for DTP users
    - Broadens and deepens DTP committer base
    - Allows others to leverage specialized data source support

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Scope

- "DTP Core" is Model Base, Connectivity and SQL Dev Tools

- Leverage DTP extension points and API to "enable" support for specific data sources

- Contributions in Enablement limited only to such extensions
    - Functionality beyond simple usage of DTP extension points and API can be considered for inclusion in DTP Core
    - Enablement participants submit plans to DTP community for review
    - DTP Architecture Council makes a recommendations to DTP PMC about proposed plans

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Participants

- Announced
  - Actuate: For XML data source
  - IBM: For IBM databases
  - Sybase: For Sybase databases

- Discussions
  - With a number of other organizations
  - Expect steady and growing membership in Enablement

- We are actively seeking additional candidates

Enablement Touch-Points

- Specialized models
- Driver templates
- Connection profiles
- Data Source Explorer (DSE) integration
- Open Data Access (ODA) integration
- SQL Development Tools
  - SQL Editor framework
  - Results view framework
  - Extensible SQL parser
  - Execution plan visualization
  - (future) Visual SQL Query Builder

Initial Code Contributions

- Complete port from WTP/rdb
  - Achieve parity in database support
  - Update existing definitions for recent WTP changes

- Add additional support
  - Specialized models from initial contributions
  - Use of additional DTP extension points

- All initial work to be done by existing DTP committers

Project Plan

- July 2006
  - Project creation
  - Initial code contributions
  - Addition & ramp up of new committer teams

- August 2006
  - Planning: Propose, review and approve functionality
  - Synch points with DTP Core

- September – December 2006: Implementation

- December 2006: Release with next version of DTP

- Enablement builds available on download site, just like those for DTP core

Thank You!

www.eclipse.org/datatools