Eclipse Data Tools Platform (DTP) 1.13 Release Review

Eclipse DTP PMC
June 8, 2016
Introduction

- The Data Tools Platform (DTP) project provides APIs and exemplary implementations for creating Eclipse-based database and data access tooling.
- The DTP project was started in 2005 with primary contributions from Sybase, IBM, and Actuate.
- The DTP project has participated in each Eclipse release since Callisto.
- A number of projects and products make use of DTP, including the following:
  - BIRT (Actuate/OpenText)
  - AWS Toolkit for Eclipse (Amazon)
  - IBM Data Studio and InfoSphere Data Architect
  - CAFÉ (Ingres)
  - Nexaweb Studio (Nexaweb)
  - JBoss Developer Studio (Red Hat)
  - Sybase Workspace
DTP Projects

The DTP top-level project includes the following sub-projects:

- **Connectivity**: frameworks and tools for connecting to data sources
- **Model Base**: core EMF models for DTP
- **SQL Development Tools**: frameworks and tools for working with SQL
- **Enablement**: data source specializations for DTP frameworks
- **Incubator**: new and upcoming projects for eventual inclusion in the main DTP sub-projects
DTP Architecture

High level architecture view, by project:
Themes for DTP 1.13 Release

- Fix bugs
- Maintain stability for existing clients
- Require Java 8
Previous DTP Releases

DTP 0.7 – April 7, 2006
DTP 0.9 (Callisto) – June 30, 2006
DTP 1.0 – December 2006
DTP 1.5 (Europa) – June 25, 2007
DTP 1.6 (Ganymede) – June 25, 2008
DTP 1.6.1 – September 2008
DTP 1.6.2 – February 2009
DTP 1.7 (Galileo) – June 26, 2009
DTP 1.7.1 – September 2009
DTP 1.7.2 – February 2010
DTP 1.8 (Helios) – June 23, 2010
DTP 1.8.1 – September 2010
DTP 1.8.2 – February 2011

DTP 1.9 (Indigo) – June 22, 2011
DTP 1.9.1 – September 2011
DTP 1.9.2 – February 2012
DTP 1.10 (Juno) – June 27, 2012
DTP 1.10.1 – September 2012
DTP 1.10.2 – February 2013
DTP 1.11 (Kepler) – June 26, 2013
DTP 1.11.1 – September 2013
DTP 1.11.2 – February 2014
DTP 1.12 (Luna) – June 25, 2014
DTP 1.13 Target Platforms

- Build environment:
  - Eclipse 4.6 (Neon)
  - Dependencies: EMF 2.12.0, GEF 3.10
  - JVM: J2SE 1.8
I.P. Management

- **Contributions**
  - All DTP 1.13 code comes only from approved channels
  - All DTP 1.13 code provided under the Eclipse Public License (EPL)

- **Third Party Libraries**
  - All third party libraries sourced from Orbit

- **Due Diligence & Record Keeping**
  - All DTP committers have signed Committer Agreement forms and have been approved by the EMO
  - IP Log maintained by PMC and available on DTP web site
    - http://www.eclipse.org/datatools/dtp-log.csv
  - Individual sub-projects have their automated IP Logs as well:
Bug Totals

- Current open bugs: 542
- Bugs reported since Luna release: 40
- Bugs resolved since Luna release: 7
Challenges

- Participation by the original sponsoring companies almost completely ended
  - Sybase, which started DTP, withdrawn from Eclipse years ago
  - Actuate, after it was acquired by OpenText, appears to no longer be participating in Eclipse
  - IBM is currently not investing any significant resource in DTP
- There are only 4 committers, and the committers have very little time to devote to DTP
- The DTP PMC is down to one person
- The project is considered mature by the sponsoring companies and clients, so no significant new resource investment is currently planned
Future Plans

- The current DTP PMC lead can no longer continue in that role due to other commitments (though he can help fix critical problems or process issues when needed)
- No one has stepped up to take over the project, which leaves DTP at a crossroad.
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