

SYBASE®

Sybase

Strategic Developer

THE
ENTERPRISE.
UNWIRED.



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Sybase enables the unwired enterprise by delivering enterprise and mobile infrastructure, development, and integration software solutions.

- 2002 – Early member of the Eclipse Organization, started product development in Eclipse
- 2003 - Shipped Business Process Orchestration product hosted in Eclipse
- 2004 - Shipped Modeling Tools as an Eclipse Plug-in
- 2004 - Standardized on Eclipse as our strategic tooling integration platform for Java development
- 2005 - Joined as Strategic Developer Member
- 2005 - Data Tools Project Proposal

- Participation at Board level
- Will work on Requirements, Architecture and Planning councils
- Work with Eclipse community on Data Tools Project
- Contribute developers to Data Tools Project
- Seek other areas of participation and contribution
- Deliver Sybase integrated tooling on Eclipse platform

Proposal Overview

- A proposed open-source Top Level Project of eclipse.org
- Extensible frameworks and tools covering a comprehensive set of fundamental requirements in data management.

- Development: An environment that is easy to configure, one in which the challenges of application development are due to the problem domain, not the complexity of the tools employed.
- Administration: A consistent, highly usable environment that works well with associated technologies.

- Vender neutrality
- Extensibility
- Community involvement
- Transparency
- Agile Development

- Database Connectivity
- SQL Development Tools
- Database Administration
- Object/Relational Mapping
- XML/Relational Mapping
- Extract-Transform-Load

- Driver Management
- Connection Profile Framework
- Sample Implementations of Connection Profiles
- Database Explorer

- SQL Editor Framework
- SQL Execution and Debugger Framework
- Sample Implementation for SQL Tools

- Database Administration Framework
- Sample Implementation for Database Administration
- SQL Execution Plan Inspection Tools

- ORM
- Define mapping of OO languages to relational structures
- Enable extension for ORM artifact generation
- Consider relationship to EJB 3
- Consider relationship to Hibernate, etc.

- XRM
- Address problems in
 - Defining XML in databases
 - Storing, querying, retrieving
- Enable extension for specific databases

- ETL
- Define transformation metadata between relational databases
- Provide simple developer tools for moving data
- Allow specialized ETL tools built on top of the transformation metadata

- ✓ Proposal posted 2/22
- o Community discussion
- o Project creation review
- o Project kick-off
- o First code drop
- o ...

In the spirit of eclipse.org, the frameworks and tools will be vendor neutral, the development process agile, and community involvement level **will** be fostered to provide a rich ecosystem benefiting the entire Eclipse membership-at-large.

- David Tong – Board (tongd@sybase.com)
- John Graham – DTP (john.graham@sybase.com)
- Karl Reti (karl.reti@sybase.com)

Panel discussion on DTP Wednesday evening during Sybase reception, 8—10PM, Regency Ballroom A