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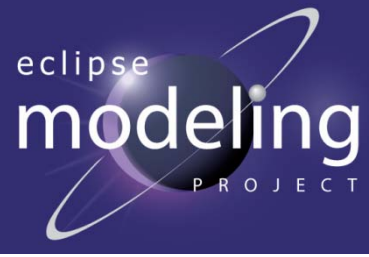
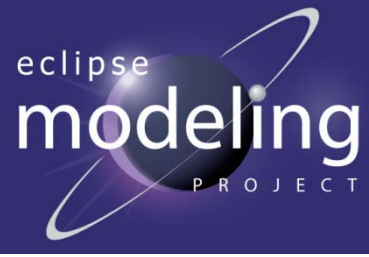
IBM Rational

EMF Core Runtime



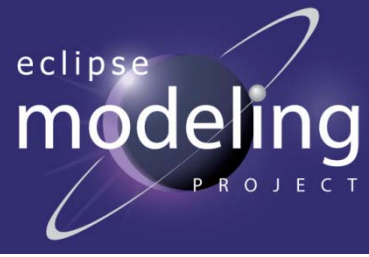
- org.eclipse.emf.common
  - Stand alone and OSGi integration
  - Adapter and notification framework
  - Basic collection classes
- org.eclipse.emf.ecore
  - Core reflective metamodel
  - REST-style resource framework
  - XML Schema type system
- org.eclipse.emf.ecore.xmi
  - XML/XMI serialization
- org.eclipse.emf.ecore.change
  - Change recording and change descriptions

XSD Core Runtime



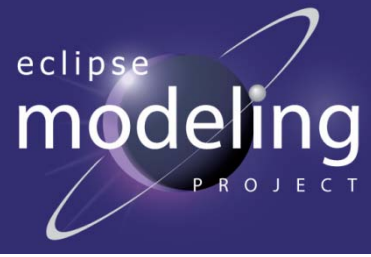
- org.eclipse.xsd
  - An implementation of XML Schema 1.1
  - Import and export to and from Ecore

How they are used



- Reading writing data via a REST-style API
  - EMF 2.4 resource APIs support the full Create, Read, Update, Delete (CRUD) lifecyle
- Manipulating strongly typed data via simple reflective APIs
- Acts as a dynamic XML binding framework
  - Can read do XML Schema -> Ecore conversion dynamically to process any XML instance, manipulate it, validate it, and serialize it again.
- Can record client side changes and send back only a delta of the changes

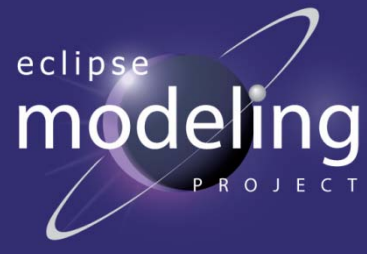
Future directions



- EMF 2.2.x is Foundation 1.1 compatible and the tools will continue to provide support to target that level
- Support a GWT-compatible subset of the core runtime
- Investigate RAP integration
- Improving database-backed persistence via synergy between Teneo and EclipseLink

- User quote
  - “I am using EMF / Teneo / Equinox and GWT and I think I have a web solution that rivals Ruby on Rails (without all the hype)!”

Committers



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  - Dave Steinberg
  - Marcelo Paternostro