



Integration GUI

GUI

Semantic annotation

Ontology

GUI

Connector (Text, EMF, Ontology,...)

Specific Locations (Text, EMF, Ontology,...)

Mapping API

Storage (XMI)



WP6 Integration



Components

- Mapping API and implementation (EMF/XMI)
- Text and model (EMF and ontology) connectors
- Semantic annotation

Continuous integration

- Travis https://travis-ci.org/ModelWriter/Source
- Nightly and release builds
- Eclipse update sites for each build

Next steps

- Develop synchronization API and GUI
- Integrate semantic parsing and consistency checking







Integration GUI

Automated reasoning about locations and links

Semantic GUI

Semantic annotation

Consistency checking

Semantic parsing

Ontology

Mapping GUI

Connectors (Text, EMF, Ontology,...)

Specific Locations
(Text, EMF, Ontology,...)

Synchronization

Mapping API

Storage (XMI)



WP6

Evaluation



Code

- Release 1: 19K line of codes and 13K lines of comment
- Release 2: 30K line of codes and 20K lines of comment

Commits

- Release 1: 60 commits
- Release 2: 88 commits

Tests

- Release 1: 403 unit tests
- Release 2: 688 unit tests + some RCPTT tests



WP6 Release 2



Eclipse update sites

- Two update sites one for EPL features and one for GPL features
- http://modelwriter.obeo.fr/download
- Eclipse: Luna, Mars, Neon

Mapping features

- Text, EMF Model full support and ontology partial support
- Mapping base saved to XMI
- EMF/XMI mapping base creation wizard

Semantic features

- Main ontology format supported (RDF, OWL, Turtle, ...)
- Semantic annotation and mapping creation from annotation
- Text extraction from .doc and .docx files





Deliverables for WP6

Kind	Name	Status
Software	D6.3.1-2 Writer enhancements (release 2)	Done
Software	D6.4.2-2 User Interface for the Writer part (release 2)	Done
Software	D6.4.3-2 IDE-integrated User Interface to handle Sync issues (major release 2)	Done
Document	D6.5.1-2 Acceptance Test Plan (release 2)	Merged
Software	D6.5.2-2 Automated Acceptance Tests (release 2)	Done
Document	D6.6.1-2 Acceptance Test Procedures (release 2)	Merged
Software	D6.7.1-2 ModelWriter major release (release 2)	Done
Software	D6.7.2-2 WP2 Integration in ModelWriter and Documentation (release 2)	Done
Document	D6.8.1-2 Evaluation report (release 2)	Coming soon



WP6

Ergonomics



Completion/quick outline

- + limit interactions to a minimum
- Need to know what can be targeted (not possible for text)
- - Project possible targets out of their editing form

resulting impacts in term or each component s architecture. ribed architecture defines basic structure and organization for the next resea nent Work Dacksons It defines also the interactions between: et" S Work Packages P6.1 - Selection an Select Target Location /P3 - storing and re aies er" side /P6.2 - selection an Q Filter /P2.1 - storing text /P2.2 - generating t ☐ MW Ontologie wledge Base" side VP4 - the repository ll nee e. semantic/syntac her inf efining the knowled ☐ Location 2 nowledge base is th BelWri →

⊕ proposed location 21 ents, the architect e base lustrating the archiceccurar design decails, let us review the objectives of each kage.



WP6

Ergonomics



Goals

- No projection / get elements from the editor
- Works with text
- Works with graphics

Palette

- Eclipse view
- Add element from editors to the palette
- Link to elements in the palette

Possible improvements

- Quick outline with elements of the palette?
- Use current selection and an action on element from the palette?

