

User Interfaces and Integration (WP6)

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Software stack

Integration GUI

GUI

Semantic annotation

Ontology

GUI

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

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

Mapping API

Storage (XMI)



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

Software stack

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)



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



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

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

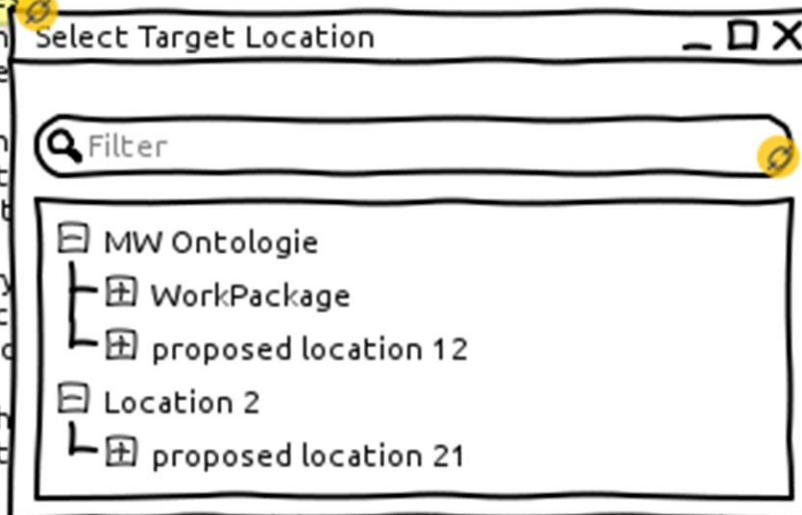
...resulting impacts in term of each component's architecture.
described architecture defines basic structure and organization for the next research
ment Work Packages. It defines also the interactions between:

Work Packages

VP6.1 - Selection and
VP3 - storing and re
ber" side
VP6.2 - selection and
VP2.1 - storing text
VP2.2 - generating t
wledge Base" side
VP4 - the repository
e. semantic/syntac
efining the knowled

knowledge base is th
ents, the architect

...illustrating the architectural design details, let us review the objectives of each
package.





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 ?