

EMF Search

v0.7.0 Release Review (Ganymede)

4 June 2008

<http://www.eclipse.org/modeling/emft/search>

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Talking Points

- Introduction
- Features
- Non Code Aspects
- Quality of APIs
- Architecture
- IP Issues
- Tool Usability
- Extensibility

Talking Points (2)

- Exemplary Tools
- End Of Life
- Bugzilla
- Client Project Integrations
- Standards
- UI Usability
- Schedule
- Communities ...

Introduction

- Major Milestones
 - Project Created in June 2007
- Community
 - Stable to 2 Committers (Help Welcome)
- Project Size
 - 36 kLOC

Features

- Ecore Queries Search (Regex & OCL)
- UML2 Queries Search (Regex & OCL)
- Search Result Page : Ecore & UML2 Support
 - Navigation From Result To Diagram/Editor
- UI Diagram/Editor Navigations Integration
 - Open Ecore/UML2 (E)Package Dialog
 - Open Ecore/UML2 (E)Class Dialog
- Workspace + Standalone Scopes Support
- RCP support + EcoreGrep Standalone example

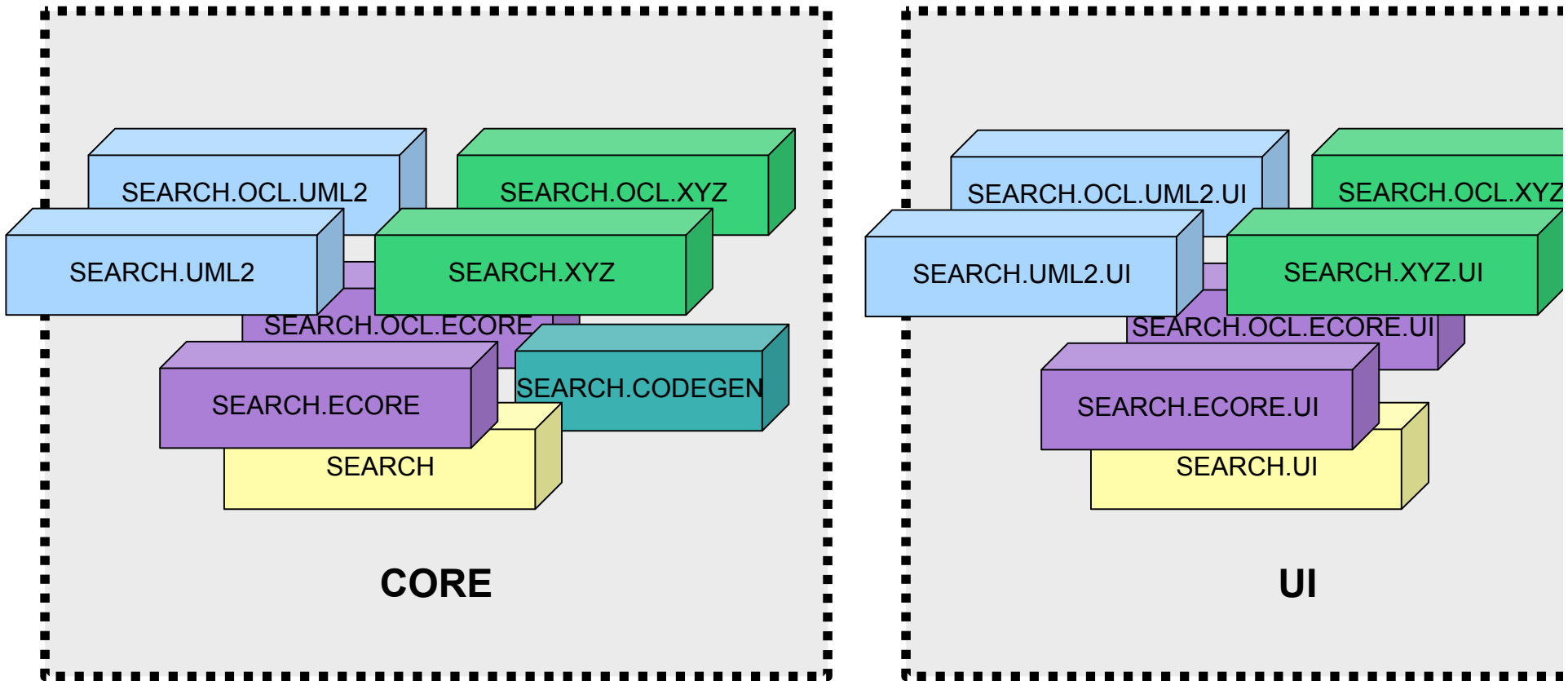
Non Code Aspects

- Posted Quick Dev Guide On Eclipse Live
 - <http://live.eclipse.org/node/515>
- Submitted a talk to EclipseCon 2008
- EMFT newsgroup

Quality of APIs

- Strict separation of concerns
 - Core / UI
 - Resource / Ecore / UML2
 - Regex / OCL Queries
- Use of highly Generic Interfaces
 - Use Generics in lower level APIs
- Eclipse Coding Standard
 - Code Is Fully Eclipse Standards Compliant
 - Use Of Extension Points
 - Comments

Architecture



EMF <T> Search

- Generic
 - Core Layer Heavily Relies on <T> Generics
 - EMF Resource Scopes <T> Visiting Strategies
- Ecore Based
 - UML2 & Arbitrary Model Support Thanks To Generics
 - Code generation tooling generates Generics code
 - Only Estring Eattribute supported for the moment

IP Issues

- Third Parties Libraries
 - Only Coming From Orbit Project (IPZilla OK)
 - Apache commons CLI, Logging & Lang
- EPL Headers
 - Coherence Checkings
 - Date, Author, EPL body, Filename
- Code
 - No Code Reuse From Non EPL Projects
- IP Log + About + EPL : posted to IP team

Tool Usability

- Integration with Eclipse Search framework
 - Reuse state of the art APIs
- Usage of resizable areas
- Usage Tabs to selectively access
 - Query Expression
 - Participants Meta Elements
- Filtering
- Dialog Settings
- Job for background optimal result refreshing

Extensibility

- Core
 - org.eclipse.emf.search.modelSearchEngine
- UI
 - org.eclipse.emf.search.modelSearchParticipantTask
 - org.eclipse.emf.search.modelSearchQueryTab
 - org.eclipse.emf.search.modelSearchEngineMappir
 - org.eclipse.emf.search.openDiagramParticipant
- OCL
 - org.eclipse.emf.search.ocl.targetMetaModel

Exemplary Tools

- Ecore
 - Search Integration For Ecore Regex & OCL queries
 - Search Page, Search Result Page, Engine, Dialogs
- UML2
 - Search Integration For UML Regex & OCL queries
 - Search Page, Engine, Dialogs
- GenModel
 - Textual queries
- CodeGen
 - Search Integration Codegen For Arbitrary Model

End Of Life

- No End Of Life issues
 - New project thus no deprecations yet

Bugzilla

- Current

Status

	NEW	RESOLVED	VERIFIED	CLOSED	Total
P1	.	.	<u>2</u>	.	<u>2</u>
P2	.	<u>2</u>	<u>6</u>	<u>2</u>	<u>10</u>
P3	<u>1</u>	<u>8</u>	<u>9</u>	<u>5</u>	<u>23</u>
P4	.	<u>1</u>	<u>2</u>	.	<u>3</u>
P5	.	<u>1</u>	.	.	<u>1</u>
Total	<u>1</u>	<u>12</u>	<u>19</u>	<u>7</u>	<u>39</u>

Client Project Integrations

- DTP Ecore/ODA Driver integration
 - Ecore OCL Widget Integration
- Amalgamation
 - Filed a bugzilla for being integrated

Standards

- Java 1.5
- OCL 2.0
- Regex
- Ecore
- UML2

UI Usability

- Localization
 - Integration Babel : map posted
- Graphic resources
 - Eclipse standard based

Schedule

- Followed Modeling/EMFT Releng schedules
- Signoffs + Must DOs

Communities

- Exchanged with Ecore Tools
- Exchanged with contributor
 - Mail, talk
- Newsgroup posts

IP Issues

- IP Log

- <http://www.eclipse.org/modeling/emft/search/project-info/IP-Log.txt>

- IPZilla (Apache Orbit)

- CQ1946, CQ1947, CQ1948

- Contribution codegen (Roman Tarasov)

- CQ2113

- EPL + About files : OK

IP Issues (2)

- The EMF Search component leadership verifies that
 - The about files and use licenses are in place as per the Guidelines to Legal Documentation.
 - All contributions (code, documentation, images, etc) have been committed by individuals who are either Members of the Foundation, or have signed the appropriate Committer Agreement. In either case, these are individuals who have signed, and are abiding by, the Eclipse IP Policy.
 - All significant contributions have been reviewed by the Foundation's legal staff.
 - All non-Committer code contributions, including third-party libraries, have been documented in the release and reviewed by the Foundation's legal staff.

IP Issues (3)

- The EMF Search component leadership verifies that (cont.)
 - All Contribution Questionnaires have been completed.
 - The "provider" field of each plug-in is set to "Eclipse.org".
 - The "copyright" field of each feature is set to the copyright owner (the Eclipse Foundation is rarely the copyright owner).
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Project Plan

- Project Plan TBD soon

Future

- To Improve Http search support
- To Improve Replace Feature For Regex Queries
- To Propose RFE + Contribution For non Workspace Scopes To Platform UI Team
- To Add Mint + Genmodel Tight integration
- Contribution to Ecore Tools
 - UML2 Tools, SBVR : tentative
- Contribution To Amalgamation
 - Filed a bugzilla

Non Code Aspects

- Orbit Dependencies
 - Apache commons : cli, logging, lang (IPZilla OK)
- L10n Localization
 - Done everywhere it was needed
- Tests
 - Minimal JUnit Tests For Ecore, CodeGen, UML2
- Examples
 - Generation allows to easily bootstrap extensions
 - Runtime created and ok (same planned for UML)
- WIKI : http://wiki.eclipse.org/EMF_Search
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Schedule

- Plan

- 0.7.0 official release if review overall +1
- To Produce Mx Ganymede Simultaneous Stable Builds

- Future

- To reach Ganymede GA
 - Improve Test & Validation for current features
 - Finalize Usability + Localization (eg. To Polish)

- What's next ?

- To Integrate with Mint, EcoreTools, UML2Tools, Amalgamation ?

Process

- Releng
 - Integrated in EMFT Build Infrastructure
 - Numerous New Features created For Contributions
 - Joined Ganymede Train from M3, M4
- Project Feedback
 - Updates on EMF component [page](#)
- Following various newsgroups & lists

Communities

- EclipseCon 2008
 - Submitted : EMFT Search Introductory Tutorial
- Contributor : Roman Tarasov

Committer Changes

- Got New Employer
 - New Paper Work : Done
 - Individual Committer agreement
 - Committer Employer Consent Form

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