Leader Mondial, recette de la fondation Eclipse

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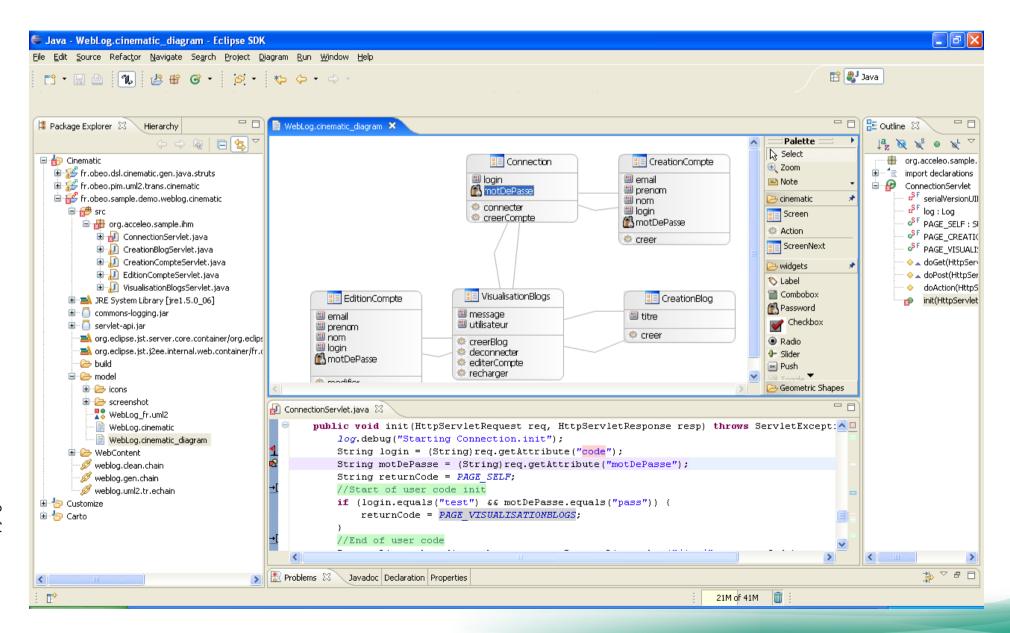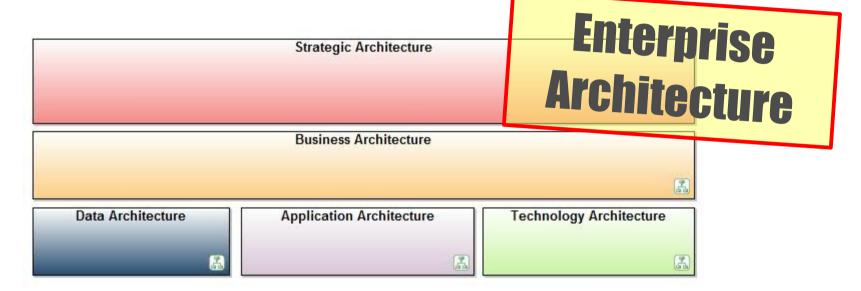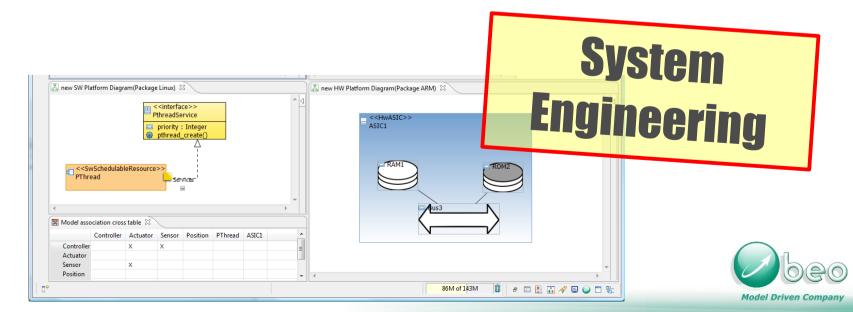Printemps du libre – Paris - 2011 05 09

Leader?

Development tools

Welcome to new usages

Strategic Architecture

Business Architecture

Data Architecture | Application Architecture | Technology Architecture

Enterprise Architecture

System Engineering

new SW Platform Diagram(Package Linux)

<<interface>>
PthreadService

priority : Integer
pthread_create()

<<SwSchedulableResource>>
PThread

Services

new HW Platform Diagram(Package ARM)

<<HwASIC>>
ASIC1

RAM1   ROM2

Bus3

Model association cross table

	Controller	Actuator	Sensor	Position	PThread	ASIC1
Controller		X	X			
Actuator						
Sensor		X				
Position						

86M of 143M

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The Members of Eclipse

- **161 members**
    - 14 Strategic Members
    - 3 Enterprise Members
- **986 committers, representing 75+ organizations**

Strategic Members

ACTUATE. SOPERA SAP CA Computer Associates® INNOOPRACT

genuitec Obeo CLOUDSMITH itemis SoftwareConsultingCoaching IBM

NOKIA ORACLE brox Sonatype

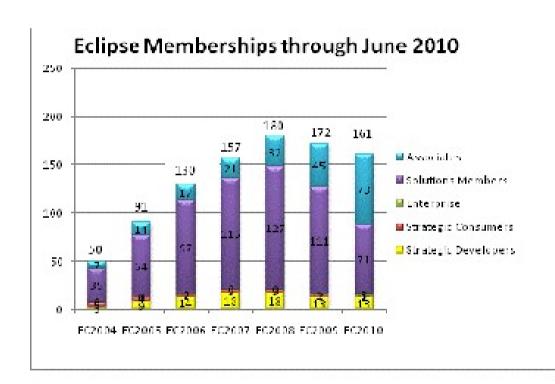## Enterprise Members

CISCO BlackBerry. Motorola
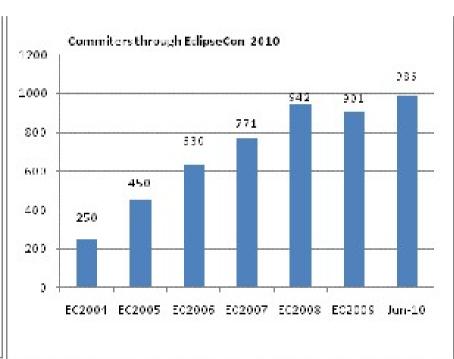
Eclipse Momentum

Members
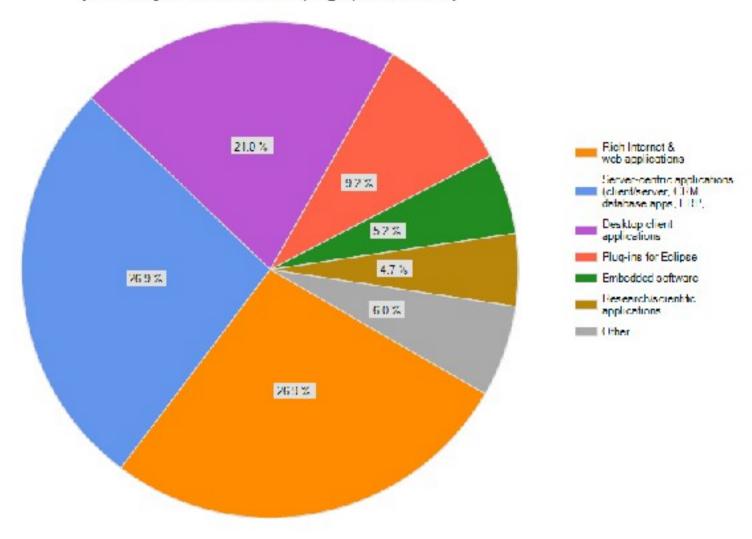
Committers

Consistent use of Eclipse in different types of software
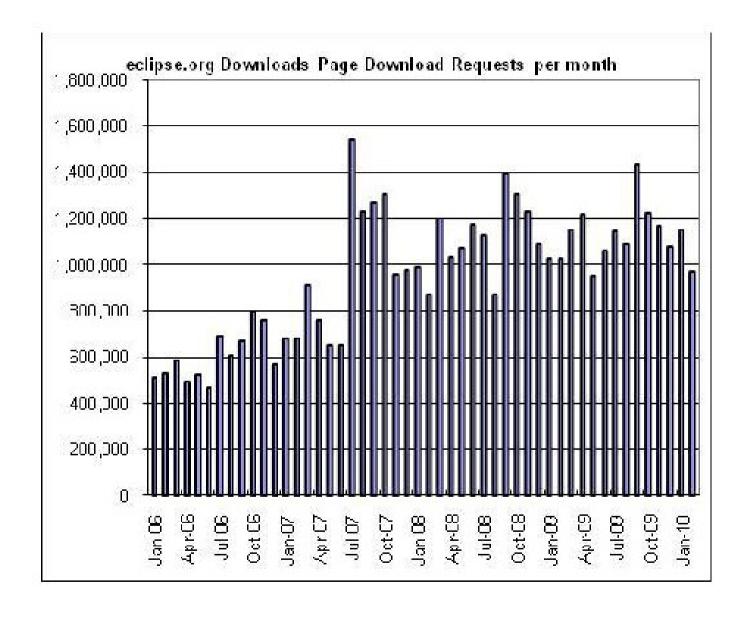
17. What is the <i>primary type</i> of software are you personally involved in developing? (Choose one.)

Download Stats – data to Sep – Oct/Nov respin

eclipse.org Downloads Page Download Requests per month

Download Stats

eclipse.org Downloads Page Download Requests by Country %
for February 2010

- United States 39%
- China 17%
- Germany 7%
- Japan 2%
- France 4%
- Brazil 4%
- Korea Republic Of 4%
- India 4%
- UK 3%
- Rest of World 34%

Project Metrics

collaboration
is everything

GIT / CVS / SVN
Hudson
Wiki
Meritocratie

Organisation de la Fondation

- Contributors

- Commiters

- PMC

- Councils: Architecture, Requirement, Planning

- Board of Directors (~10)

- Staff (~10)

- IWG

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Behind the
Scene

- Orion
- eGit
- Virgo
- Window Builder
- Hudson
- EEF
- Mylyn

What's Next?

Leader?

EPL
IP
Legal Gouvernance
Transparence

How we make cash with free?

Our initial strategy

Pay for migration

Generation for free

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TurnOver VS Investissment?

Acceleo

```
[template public generateEntity(entity : Entity)]

[comment @main /]
[file (getFullPathFile()
package [eCont
```

```
[protected (c.name)]
import java.util.List;
[/protected]
```

[Template] Public Generation(EClass)
This is the documentation of my template.
Parameter:
e(EClass) my parameter

ePackage:EPackage [0..*]
eReferences:EReference [0..*]
eStructuralFeatures:EStructuralFeature [0..*]
eSuperTypes:EClass [0..*]
eTypeParameters:ETypeParameters [0..*]
instanceClass:EJavaClass [0..1]
instanceClassName:EString [0..1]
instanceTypeName:EString [0..1]
interface:EBoolean [0..1]
name:EString
Generation() : String
common() : String

@Su
@En
@Tab
publ

implements Serializable {

[comment Generate code for attribut

```
rivate [javaType()/] [javaName()/];
blic [javaType()/] get[javaName().toUpperFirst()/]() {
    return [javaName()/];
}
blic void set[javaName().toUpperFirst()/]
javaName()/] = [javaName()/];
```

Rename...
New name: genJavaName
Templates available: javaName
☑ Update references
Preview >   OK   Cancel

Outline ☒
- model ecore
▷ import declaration
▷ template generate(EClass)
▷ query publicQuery
▷ query protectedQuery
▷ query privateQuery
▷ template publicTemplate(EClass)
▷ template protectedTemplate(EClass)
▷ template privateTemplate(EClass)

New Extension
Extension Point Selection
Create a new org.eclipse.acceleo.engine.dynamic.templates extension.

| Extension Points | Extension Wizards |

Extension Point filter: [   ]

- org.eclipse.acceleo.engine.creator
- org.eclipse.acceleo.engine.dynamic.templates
- org.eclipse.core.contenttype.contentTypes
- org.eclipse.core.runtime.adapters
- org.eclipse.core.runtime.applications
- org.eclipse.core.runtime.contentTypes
- org.eclipse.core.runtime.preferences
- org.eclipse.core.runtime.products
- org.eclipse.emf.codegen.ecore.generatorAdapters
- org.eclipse.emf.codegen.facadeHelpers

☑ Show only extension points from the required plug-ins

Extension Point Description: org.eclipse.acceleo.engine.dynamic.templates

Generate [Acceleo Application]
Debugging Acceleo
Thread [main]
generate.mtl 15
generate.mtl 14
generate.mtl 7
generate.mtl 4

Variables / Breakpoints
Name   Value
input   Property:fi

```
comment encoding = UTF-8 /]
odule generate('http://www.eclipse.org/uml2/2.1.0/UML')/]

template public generate(c : Class)]
    [comment @main /]
    [file (c.fullFilePath(), false, 'UTF-8')]
package [packageName()/];

import java.util.List;

public class [javaName()/] {
    [for (att : Property | ownedAttribute) ]
    private [javaType()/] [javaName()/];

    public [javaType()/] get[javaName().toUpperFirst()/]() {
```

Outline
- model uml
▷ template generate(Class)
  [comment/]
▷ template javaType(Property)
▷ template packageName(Class)
▷ template packagePath(Class)
▷ template fullPath(Class)
▷ template javaName(Class)
▷ template javaName(Property)
▷ template javaName(Classifier)
▷ template javaName(Interface)
▷ template javaName(DataType)
▷ template javaName(Enumeration)
▷ template javaName(PrimitiveType)
▷ template javaName(Type)

Some solutions

- Create a community (not on the engine, but on the modules)

- Be compatible with lots of modelers

- Hire only very good engineers

- Be focus

- Create a trademark

- Create something new

- Use FOSS channels

  - JUG

  - Eclipse IWG

  - R&D Projects

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Hybrid Business Models: real choice for Bob

Do it by yourself

You want to be independant

We do it for you

You want ready-to-use pack

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Increase the scope

Do it by yourself

You want to be independant

We do it for you

You want ready-to-use pack

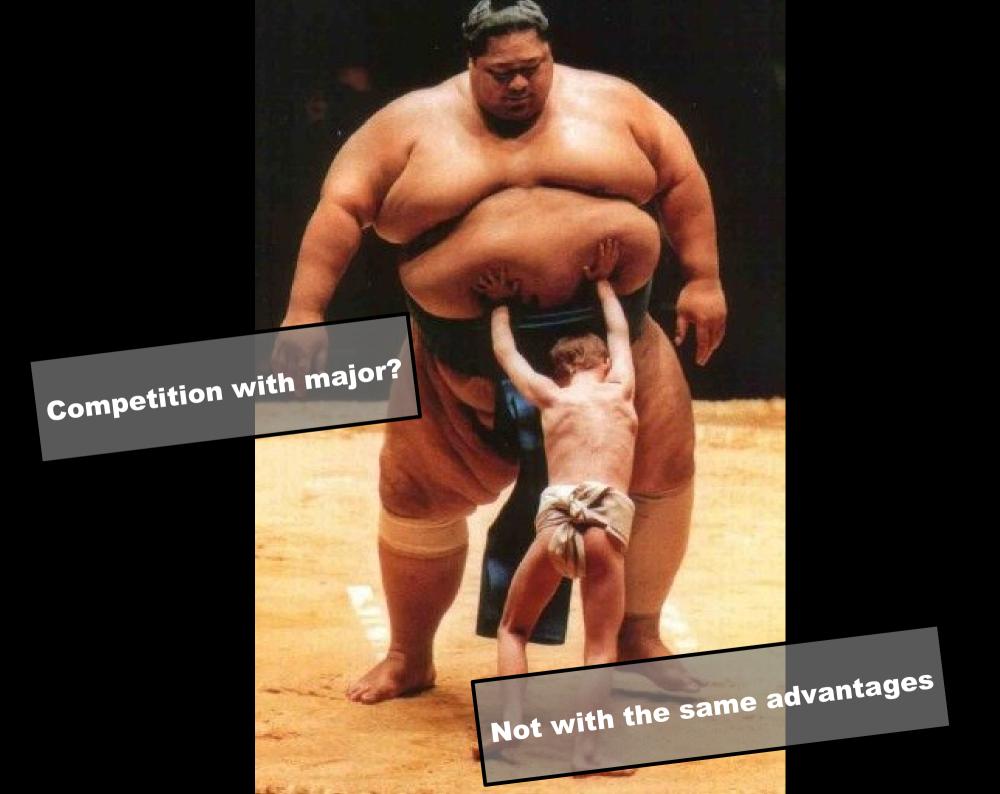Acceleo — Code Generation

ATLO — Model Transformation

gmf GRAPHICAL MODELING FRAMEWORK — Graphical Modeling

EMF Compare — Model Comparison

emf ECLIPSE MODELING FRAMEWORK — Modeling Framework

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Competition with major?

Not with the same advantages

One big issue: provide modeling adapted tool

Thanks.

- Blog: http://www.mda4eclipse.com

- Twitter: @ejuliot

- Web Site : http://www.obeo.fr