

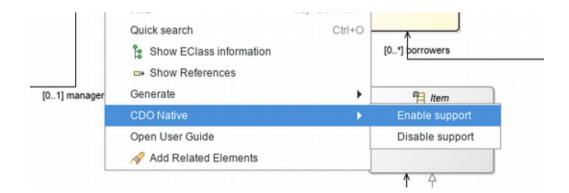
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Productivity tools

- Ecore Design Checklist: http://cedric.brun.io/eclipse/ecore-design-checklist-part1/
- Automatic reload of genmodel
- Better default in .genmodel generated by the wizard
- Package Dependencies

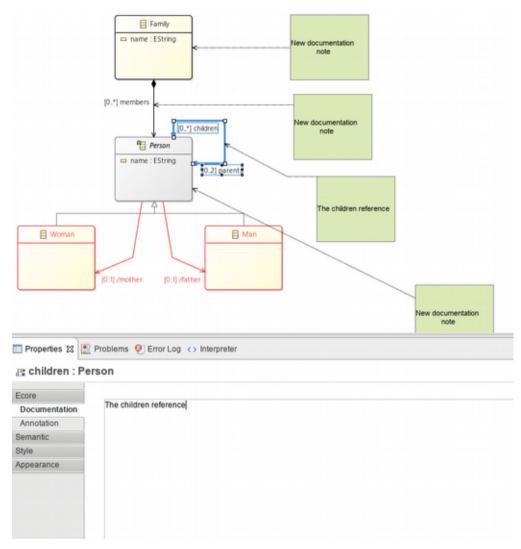


CDO Configuration





Documentation annotations





🔀 *basicfamily documentation table 💢 🤱 *basicfamily class diagram

Documentation layer in Entities Diagram



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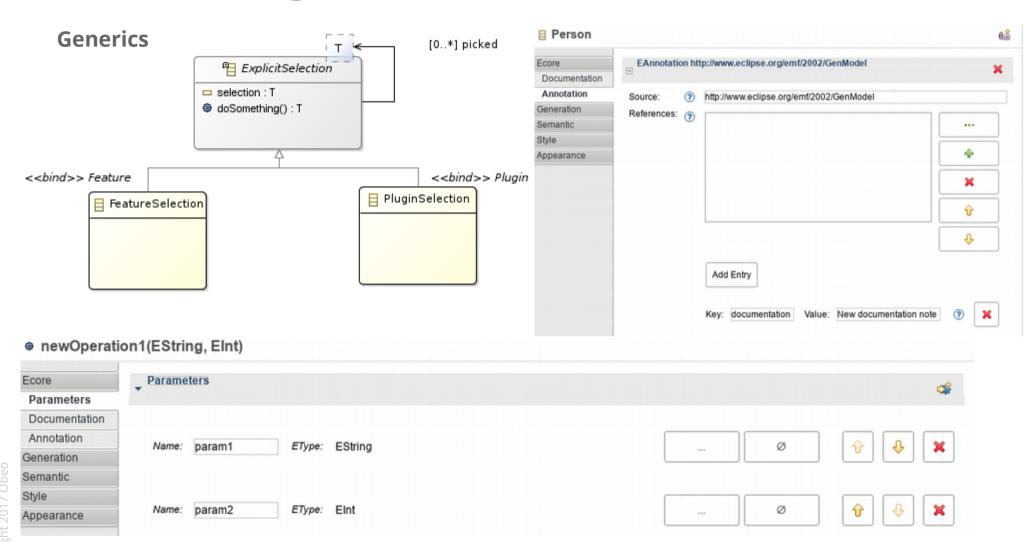
a few **Shortcuts**

- Direct-Edit Syntax
 - « Something » => change name of feature
 - «:SomeType » => only change the eType
 - «1» => only set cardinality to 1..x
 - « * » => only set cardinality to x..*
 - « /Something » => make the feature derived
 - « = something » => set the default value literal
 - [...]
- CTRL+H to Hide a shape
- CTRL+O to navigate within the diagram
- MAJ+DEL delete from diagram (vs DEL delete from model)



Modeling

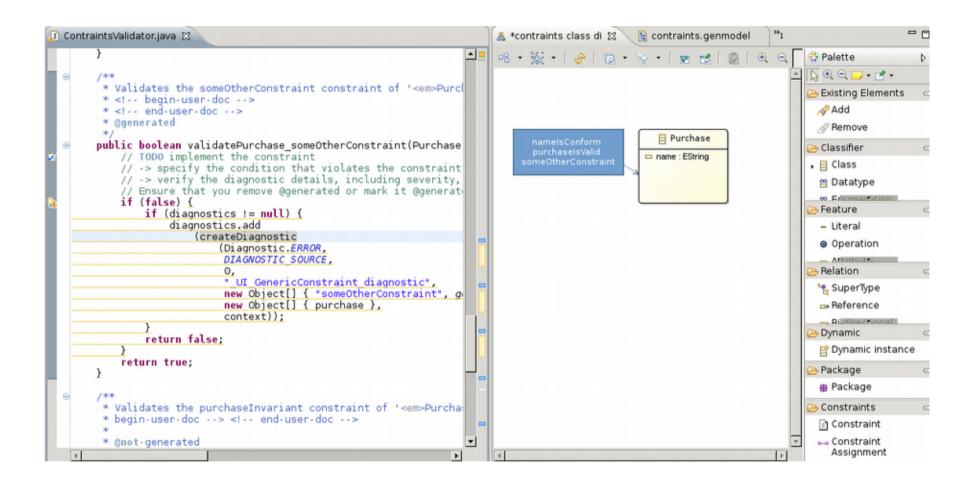
EAnnotation



Parameters



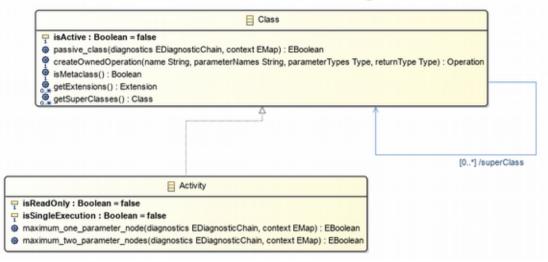
Constraints

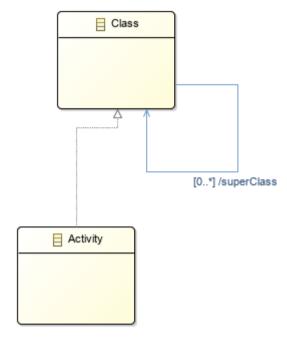


(*) would be nice to have tooled support for AQL constraints, it just did not happened yet



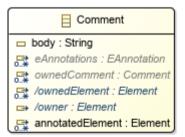
Focused diagrams



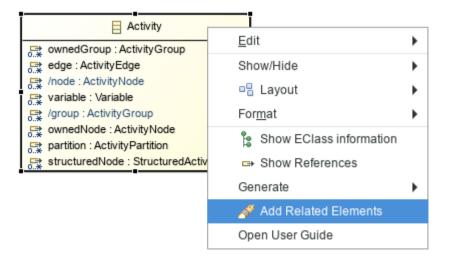


With Class Content

Indirect Generalization



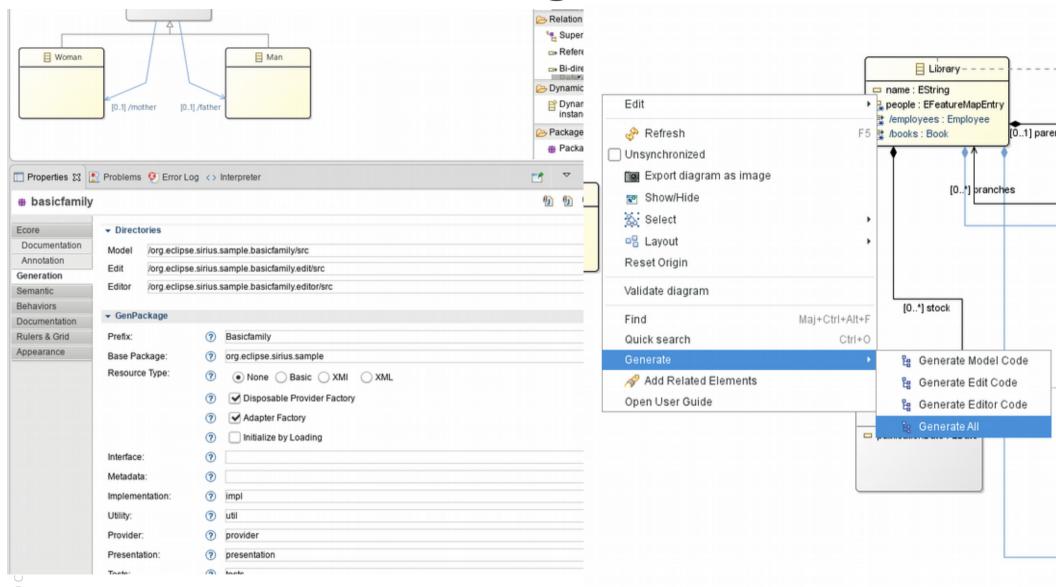
With inherited features



Add Related Elements in Diagram



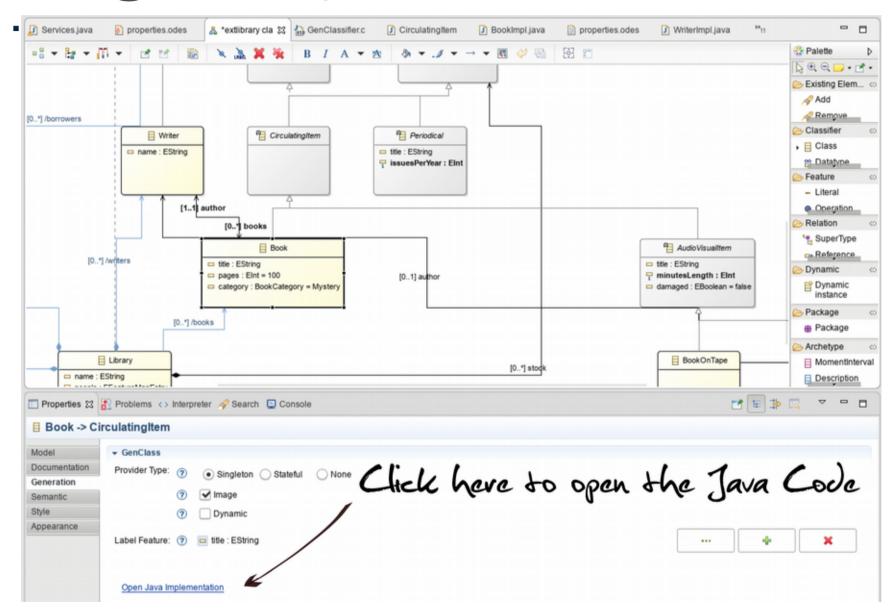
Generation settings & launch





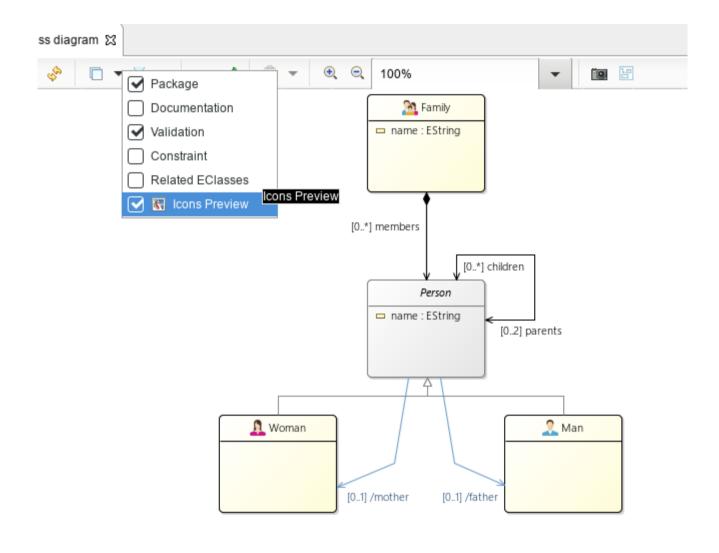
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Navigate to Java



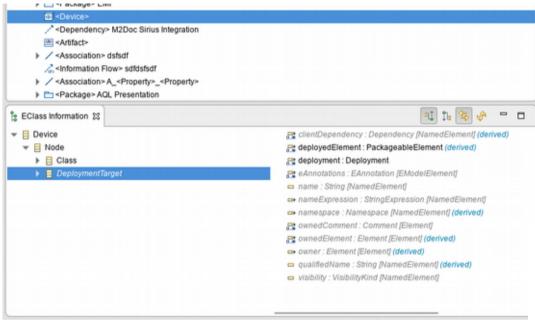


Icons preview





Eclipse Views



EClass Information to inspect types of selection

Activity

isReadOnly: Boolean = false
isSingleExecution: Boolean = false
maximum_one_parameter_node(diagnostics EDiagnosticChain, context EMap): EBoolean
maximum_two_parameter_nodes(diagnostics EDiagnosticChain, context EMap): EBoolean

```
References 
ActivityGroup -> NamedElement, ActivityContent

inActivity : Activity

ActivityEdge -> RedefinableElement

activity : Activity

ActivityNode -> RedefinableElement, ActivityContent

activity : Activity

Variable -> ConnectableElement, MultiplicityElement

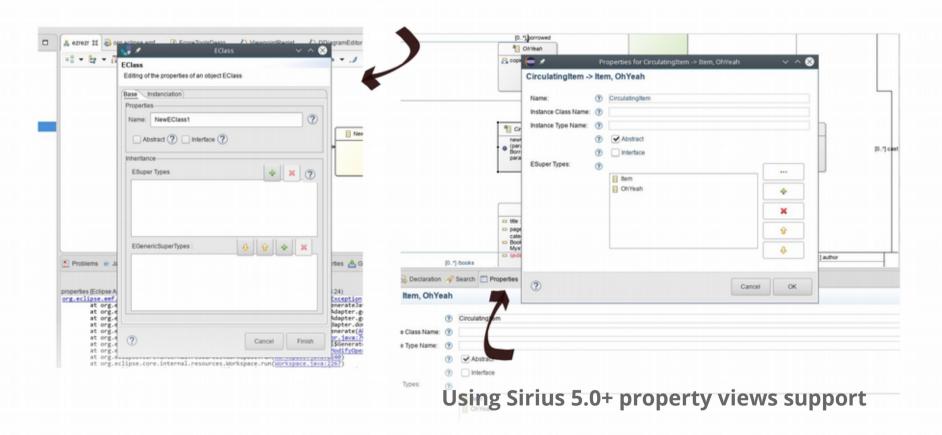
activityScope : Activity
```

References to inspect type relationships



Reworked Dialogs

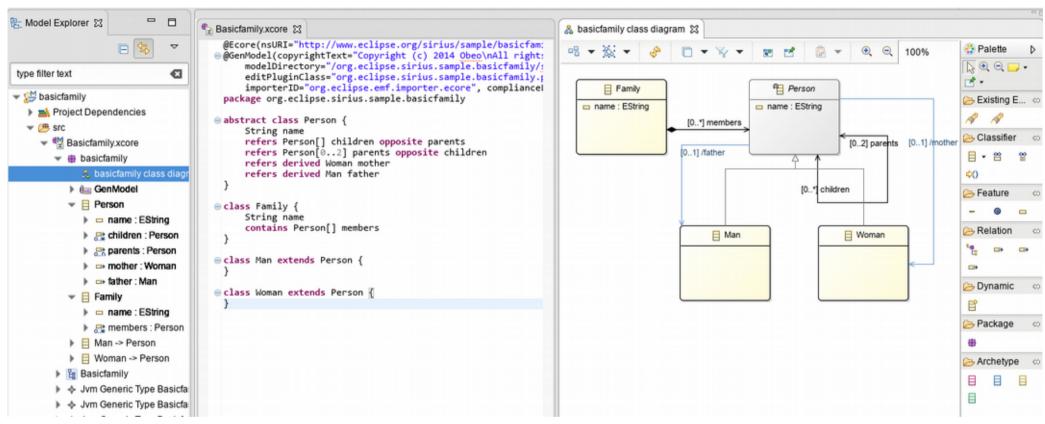
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visualizing Xcore models

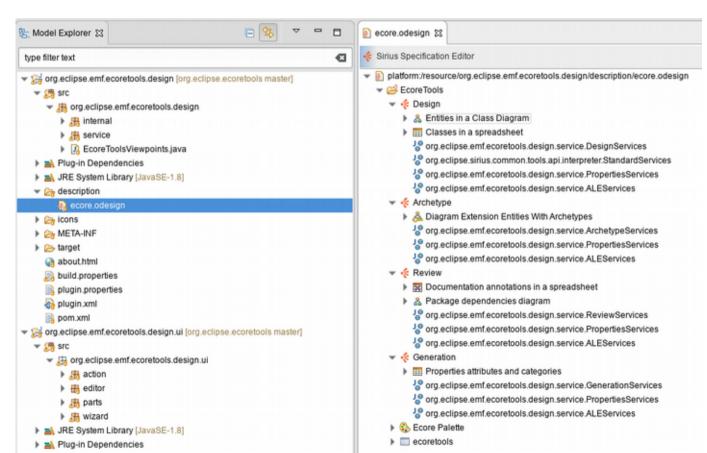




powered by Eclipse Sirius

Language	files	blank	comment	code
Java XML Maven HTML	21 5 1 2	441 9 8 5	534 22 4 0	2659 197 31 25
SUM:	29	463	560	2912

- Sirius Best Practices
- Inspectable
- Extensible





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envisionned Roadmap

- Versionning, deprecation annotations
- ALE (Action Language for EMF)
 - Contribution in EcoreTools (INRIA)
 - Provides
 - Assignements
 - More control flow
 - Multi-inheritance
 - Runtime data
 - Type inference

Ecore



Open Class

```
open class HelloWorld {
   String msg := "Hi!";

   override EString greeting () {
      result := self.msg;
   }
}
```



Download

the Eclipse Modeling Package, through the Marketplace

Packaged in Obeo Designer Community Edition (EPL)

https://www.obeodesigner.com/en/download



A Free Eclipse Package

Start using Sirius with **Obeo Designer Community** edition, a ready-to-use package including only Open Source technologies.

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Required configuration 🛇

Download Obeo Designer for another platform 🛇

Note for installation on Mac OS O

What's new in Obeo Designer 10.0?

Download previous versions

