# Ecore4CPP

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| --- | --- | --- | --- | --- |
| EAnnotation - Source | DetailsEntry - Key | DetailsEntry - Value | Purpose | Usable for |
| http://sse.tu-ilmenau.de/codegen | body | Function Body | Provide source code for function body | EOperation |
| http://sse.tu-ilmenau.de/codegen | getterBody | Function Body | Provide source code for function body for specific attribute getter | EReference |
| http://sse.tu-ilmenau.de/codegen | setterBody | Function Body | Provide source code for function body for specific attribute setter | EReference |
| http://sse.tu-ilmenau.de/codegen | getterName | Name of Getter-Function | Provide special name for attribute getter | EStructuralFeature |
| http://sse.tu-ilmenau.de/codegen | setterName | Name of Setter-Function | Provide special name for attribute setter | EStructuralFeature |
| http://sse.tu-ilmenau.de/codegen | includes | List of Include-Statements | Provide include statements for class files | EClass |
| http://sse.tu-ilmenau.de/codegen | library | Library name | Provide name of library to link additionally | EClass |
| http://sse.tu-ilmenau.de/codegen | AggregationKind | „shared“ | Determines if a reference should be of „shared“ aggregation | EReference |
| http://sse.tu-ilmenau.de/codegen | no\_back\_reference | - | Suppress generation of back reference | EReference |
| http://sse.tu-ilmenau.de/codegen | qualify | List of qualifiers | Provide additional qualifiers for attributes | EAttribute  EReference |
| http://sse.tu-ilmenau.de/codegen | weakptr | - | Determine if operation should return a weak pointer instead of shared pointer | EOperation |
| http://sse.tu-ilmenau.de/codegen | implOnly | „true“ | Operation will only be generated for impl-classes, not on interface-level | EOperation |
| http://sse.tu-ilmenau.de/codegen | doNotGenerate | „true“ | Element will be excluded from generation | EOperation  EParameter |
| http://sse.tu-ilmenau.de/codegen | implSetterOnly | „true“ | Setter of attribute will only be generated for impl-classes, not on interface-level | EAttribute |
| union | - | - | Determine that the attribute is a union (references of annotation determine the subsets) | EReference |
| subsets | - | - | Determine that the attribute is a subset (references of annotation determine the unions) | EReference |
| ignore | - | - | Element will be excluded from generation | EOperation |
| http:///org/eclipse/emf/ecore /util/ExtendedMetaData | kind | „attribute“ (by now) | Determine the kind of extended meta data | EReference (bisher) |
| http://www.eclipse.org/emf /2002/GenModel | documentation | Documentation text | Provide documentation for element | EAttribute  EClass  EOperation  EReference |
| redefines | - | - | Determine that an attribute redefines another one (references of annotation determine the redefined attributes) | EAttribute  EReference |
| prepareApplication | sourceCodeIncludes | Include-Statements the models main.cpp | Provide include statements for the models main.cpp | EPackage |
| prepareApplication | sourceCodeMain | Function Body fort he models main-method | Provide source code for the models main-method | EPackage |

# UML4CPP/fUML4CPP

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| --- | --- | --- | --- | --- |
| EAnnotation - Source | DetailsEntry - Key | DetailsEntry - Value | Purpose | Usable for |
| http://sse.tu-ilmenau.de/codegen | ignoreNamespace | „1“ | Determine if a namespace should be generated fort he package | Package |
| http://sse.tu-ilmenau.de/codegen | singleton | „1“ | Determine if a class should be generated as singleton | Class |
| http://sse.tu-ilmenau.de/codegen | const | „1“ | Determine if an operation should be const | Operation |
| http://sse.tu-ilmenau.de/codegen | mainActivity | „1“ | Determine that the annotated activity ist he main activity oft he model | Activity |
| prepareApplication | sourceCodeIncludes | Include-Statements of the models main.cpp | Provide include statements for the models main.cpp | Package |
| prepareApplication | sourceCodeMain | Function Body of the models main-method | Provide source code for the models main-method | Package |
| prepareApplication | activityMain | „true“ | Determine that the models main-method will execute an activity | Package |
| http://sse.tu-ilmenau.de/codegen | includePath | Alias name of Include path | Provide alias name for include statements of a package | Package |
| noExecution | - | - | Determine that an element should be excluded from generting the execution library | Classifier  Operation  OpaqueBehavior |