



**Extending a UML to Java 5 transformation with
Rational Software Architect Version 7
Appendix: Transform target IDs and source or target types**

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Level: Introductory

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Depending on what you want to contribute to during the UML-to-Java 5 transformation, you will need to contribute to the appropriate, different parts of the existing transformation. Each of these parts has a unique ID that you must use as the target transformation ID in the **plugin.xml** file. The following table lists the IDs and the object types that you can expect to see in the transformation configuration.

Model	Target ID	<code>com.ibm.xtools.transform.uml2.java5.internal.ModelTransform</code>
	Source	<code>org.eclipse.uml2.uml.Model</code>
	Target	<code>null</code>
	Target Container	<code>org.eclipse.jdt.core.IJavaProject</code>

Package	Target ID	<code>com.ibm.xtools.transform.uml2.java5.internal.PackageTransform</code>
	Source	<code>org.eclipse.uml2.uml.Package</code>
	Target	<code>null</code>
	Target Container	<code>org.eclipse.jdt.core.IJavaProject</code>

Class	Target ID	<code>com.ibm.xtools.transform.uml2.java5.internal.ClassTransform</code>
	Source	<code>org.eclipse.uml2.uml.Class</code>
	Target	<code>org.eclipse.jdt.core.dom.TypeDeclaration</code>
	Target Container	<code>null Or org.eclipse.jdt.core.dom.AbstractTypeDeclaration</code>

Interface	Target ID	<code>com.ibm.xtools.transform.uml2.java5.internal.InterfaceTransform</code>
	Source	<code>org.eclipse.uml2.uml.Interface</code>
	Target	<code>org.eclipse.jdt.core.dom.TypeDeclaration</code>
	Target Container	<code>null Or org.eclipse.jdt.core.dom.AbstractTypeDeclaration</code>

Enumeration	Target ID	<code>com.ibm.xtools.transform.uml2.java5.internal.EnumerationTransform</code>
	Source	<code>org.eclipse.uml2.uml.Enumeration</code>
	Target	<code>org.eclipse.jdt.core.dom.EnumDeclaration</code>
	Target Container	<code>null Or org.eclipse.jdt.core.dom.AbstractTypeDeclaration</code>

Enumeration literal

Target ID	com.ibm.xtools.transform.uml2.java5.internal.EnumerationLiteralTransform
Source	org.eclipse.uml2.uml.EnumerationLiteral
Target	org.eclipse.jdt.core.dom.EnumConstantDeclaration
Target Container	org.eclipse.jdt.core.dom.EnumDeclaration

Generalization

Target ID	com.ibm.xtools.transform.uml2.java5.internal.GeneralizationTransform
Source	org.eclipse.uml2.uml.Generalization
Target	org.eclipse.jdt.core.dom.AbstractTypeDeclaration (same as the container)
Target Container	org.eclipse.jdt.core.dom.AbstractTypeDeclaration

Interface realization

Target ID	com.ibm.xtools.transform.uml2.java5.internal.ImplementationTransform
Source	org.eclipse.uml2.uml.InterfaceRealization
Target	null
Target Container	org.eclipse.jdt.core.IJavaProject

Property

Target ID	com.ibm.xtools.transform.uml2.java5.internal.PropertyTransform
Source	org.eclipse.uml2.uml.Property
Target	org.eclipse.jdt.core.dom.FieldDeclaration
Target Container	org.eclipse.jdt.core.dom.TypeDeclaration (same as the container)

Operation

Target ID	com.ibm.xtools.transform.uml2.java5.internal.OperationExtractor
Source	org.eclipse.uml2.uml.Operation
Target	org.eclipse.jdt.core.dom.MethodDeclaration
Target Container	org.eclipse.jdt.core.dom.TypeDeclaration

Parameter

Target ID	com.ibm.xtools.transform.uml2.java5.internal.ParameterTransform
Source	org.eclipse.uml2.uml.Parameter
Target	null
Target Container	org.eclipse.jdt.core.dom.MethodDeclaration