Java CE Options

Java CE options are visible every time you attempt to reverse source code. This section describes the **Resolve collection generic** option for Java-specific options. Other options are common for all languages and are described in Reverse Options.

Resolve collection generics option

By default, this option is selected in the **Reverse Options** dialog. Java introduced parameterized types in JLS 3 and added type variables to all Java collections. With reverse engineering, it is possible to find which type is in a Java collection and make associations directly to the contained type, instead of the Java collection.

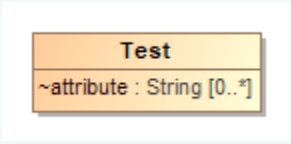
Reverse engineering allows you to find a Java parameterized collection and retrieves the Java type used in a container. This type is set as a *Type* to the UML Property. The container type is set to the UML Property/Java language property “Container“ as a simple string.

Example

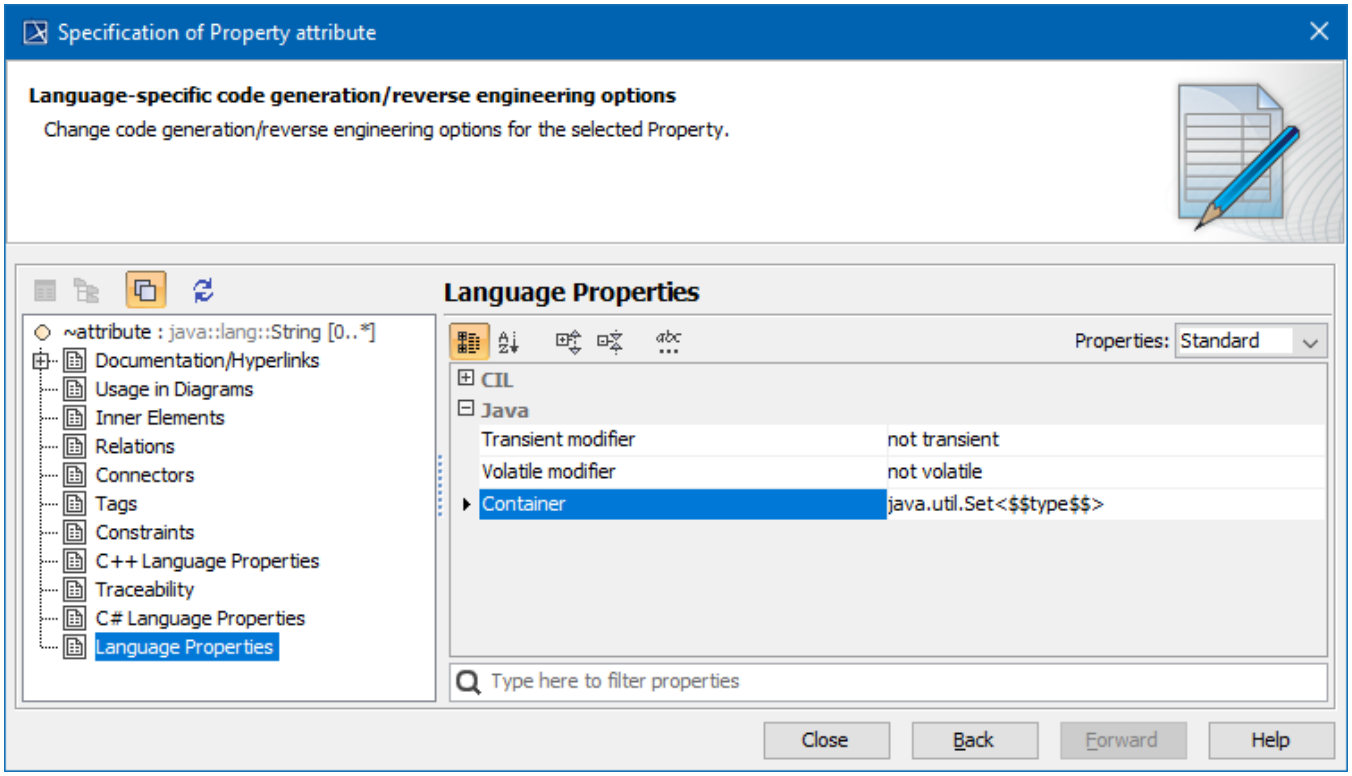
Source code sample

```
public class Test
{
    java.util.List<String> attribute;
}
```

UML Model



Attribute type, retrieved from collection



Collection type in UML Property specification

Note, that *$$type$$* shows where it should be in the lined UML Property type on code generation.