

Java Field

A Java field is mapped directly to the UML [Attribute](#) with the stereotype «JavaField». This stereotype is optional and if a UML Class has no stereotype, Java CE treats it as a Java field. If no appropriate property is found in UML, field modifiers are mapped into the UML Property properties or to the Java language properties.

Note that Java field type modifiers are mapped to the specific property *Type Modifier*, but not to the UML Multiplicity.

Field mapping table

Java Element	MagicDraw-UML Element
Field Declaration	UML Property, owned by UML Class, with stereotype «JavaProperty» (optional)
Field Name	UML Property Name
Field Documentation	UML Field Documentation
Field Type	Mapped to the UML Type property. It is a reference to the UML Classifier; its package structure and name represent the referenced Java class.
Field Type Modifiers	Mapped to the specified property <i>Type Modifier</i>
Visibility Modifier	UML Property <i>Visibility</i> property
Final Modifier	UML Property <i>Is Read Only</i> property
Static Modifier	UML Property <i>Is Static</i> property
Transient Modifier	Java Language property <i>Transient modifier</i>
Volatile Modifier	Java Language property <i>Volatile modifier</i>

Examples

Java source code

```
public final class MyClass
{
/**
 * myList comment
 */
public static java.util.List myList;
}
```

Re

- Java Enumeration
- Java Enumeration Literal
- Java Annotation Type
- Java Annotation Member

UML model

```
classDiagram
    class MyClass {
        +myList Integer
    }
    MyClass "0..*" --> "1" Integer : +myList
```