


Java Class

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

Java class fields, operations and inner classes are mapped to the appropriate UML Properties, UML Operations and UML Classes.

Class mapping table

Java Element	MagicDraw-UML element
Class declaration	UML Class with stereotype «JavaClass» (optional)
Class name	UML Class name
Class Documentation	UML Class Documentation
Class extends Clause	Mapped to the UML Generalization relationship, where the supplier is an extended class and the client is a mapped class
Class Implementation Clause	Mapped to the UML Interface Realization relationship, where the supplier is an extended class and the client is a mapped class.
Visibility Modifier	UML Class "Visibility" property
Abstract Modifier	UML Class "Is Abstract" property
Final Modifier	UML Class "Is Final Specialization" property
Static Modifier	Java Language property "Static modifier"
Strictfp Modifier	Java Language property "Strictfp modifier"

 **Example**
[Java source code](#)

```
Re /**
 * Comment of the class MyList
 */
public final class MyList extends ArrayList implements Cloneable
{
}
```

UML model

