

# xumlc

Builder 7.0.0-beta1 You can invoke the xUML Model Compiler from command line. This is needed, if you want to e.g. integrate the model compilation into a continuous integration server such as Jenkins.

Call the xUML Command Line Compiler like:

```
java -jar xumlc.jar [-clean] -uml <path to an UML model file>
```

e.g. `java -jar xumlc.jar -clean -uml "C:\E2E Documentation\Basic Modeling\Frontend\uml\helloWorld.xml"`.

If called without parameters, the xUML Command Line Compiler will print out the usage.

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## Parameters

You can use the following parameters to call the Command Line Compiler:

Parameter	Mandatory	Description	Example
-clean		Perform a <a href="#">clean all</a> before compiling the model.	-clean
-uml	✓	Specify the path to the UML model you want to compile.	-uml "C:\E2E Documentation\Basic Modeling\Frontend\uml\helloWorld.xml"

## Output

The Command Line Compiler has the following output:

Case	Return Value	Output
start		23.01.2018 14:46:07 Starting compilation of 'helloWorld.xml' deployments
compilation successful	0	23.01.2018 14:46:20 Compilation succeeded and took 12 seconds.
compilation with warnings	0	23.01.2018 16:16:19 Found unused input object 'x1' 23.01.2018 16:16:19 The Model Compiler reports 1 warnings. Compilation took 8 seconds.
compilation with errors	1	23.01.2018 14:51:39 The action 'Create Simple Object' has no incoming control flow. 23.01.2018 14:51:39 The start step must have exactly one outgoing control flow. 23.01.2018 14:51:39 The Model Compiler reports 2 errors. Compilation took 10 seconds.
compiled repository		The compiled repository will be saved to the repository folder of the Builder project (if called in E2E Builder project context), otherwise the current directory will be used.

## Compiling Libraries and Library Usage Models

Compiling library models does not differ in any way from compiling models. However, if you want to compile the library and the library usage model, take into account that you need to copy the compiled library to the **libs** folder of the E2E Builder project before compiling the usage model.

1. `java -jar xumlc.jar -clean -uml "C:\E2E Documentation\Advanced Modeling\E2ELibrary\uml\librarySQLQuery.xml"`
2. `copy "C:\E2E Documentation\Advanced Modeling\E2ELibrary\repository\librarySQLQuery\librarySQLQuery.xml" .`  
`lrep "C:\E2E Documentation\Advanced Modeling\E2ELibrary\libs\"`

```
3. java -jar xuml.jar -clean -uml "C:\E2E Documentation\Advanced  
Modeling\E2ELibrary\uml\useLibrarySQLQuery.xml"
```

If you do not copy the newly compiled repository in between, the usage model will be compiled with the old library repository from **libs**.

**Please note that copying a compiled library is not the same as doing an import.** If the interface of the library changes, you need to do an import of the library to the usage model. The procedure described above is sufficient, if the implementation of the library has changed.