Training M2Doc and AQL

Course Goals

• Learn how to generate MS Word™ documents from M2Doc templates.
• Learn how to request an EMF model with AQL language
• Learn how to write M2Doc templates, possibly including Sirius diagrams

Our added-value
The course has been designed by the creators of the M2Doc Project. Many hands-on exercises (50%)

Duration: 2 days
Audience: Architects, developers
Prerequisites: Basic knowledge of Eclipse IDE, Java development, modeling and MS Word™.

1 - M2Doc overview
• The problematic of document generation
• The M2Doc solution: what it does, what it doesn’t do
• Overview on M2Doc architecture
Duration: 1h

2 - Generate a document with M2Doc (end-user)
• Configure a generation
• Launch a generation
• Manage text entered manually
Exercises
• Use M2Doc on a concrete example
Duration: 1h

3 - Introduction to meta-modeling with EMF
• Basic concepts of EMF
• The Ecore metamodel
• Links between meta-models
Exercises
• Using Ecore Tools to discover an existing metamodel
Duration: 2.5h

4 - Navigation with AQL
• Overview
• AQL syntax
• Tuning of queries
Exercises
• Navigation and advanced queries by using system services
Duration: 3.5h

5 - Write M2Doc templates
• M2Doc syntax
• Standard services
• Sirius services
• Declaration of metamodels, variables, etc.
• Edition of docx files
• Validation and tuning of the generator
Exercises
• Write M2Doc templates from a sample metamodel
Duration: 3.5h

6 - Write services for M2Doc
• Specific return types
• Extension points
Exercises
• Create a service and use it in the example
Duration: 1h

Options
This training program can be adapted in these situations:
• For people who already master EMF and AQL
  Duration: 1 day
• For people who need to use M2Doc with Capella
  Duration: 3 days