OBEO

Training M2Doc

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: 14 hours (4 half 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
Exercices
- 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
Exercices
- 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
Exercices
- Write M2Doc templates from a sample metamodel
Duration: 3.5h

6 - Write services for M2Doc
- Specific return types
- Extension points
Exercices
- Create a service and use it in the example
Duration: 2,5h

Options
This training program can be adapted in these situations:
- For people who already master EMF and AQL
Duration: 7 hours (2 half days)
- For people who need to use M2Doc with Capella
Duration : 17,5 hours (5 half days)