Building a community platform for DDI Moving Forward

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Mission

- Capture the model
- Capture documentation
- Validation of the model
- Automated builds
Builders of the technical platform

Lion portal
Olof Olsson, Johanna Vompras, Johan Fihn

XSLT:s
Oliver Hopt, Jannik Jensen

Thanks to all the testers and people using the portal!
In the beginning (1st DDI4 sprint)

- Capture each class object in a word document
  - How do we manage these?
  - Versioning?
  - Validation?
  - From concept to machine actionable model?
Solution: use a CMS

- Using Drupal 7
- First working platform was up and running the 2nd day of the first sprint
- Most of the functionality comes from open source addons (modules)
- Custom module for exporting the model and documentation
Capturing the model in a CMS

- Classes
- Datatypes
- Inheritance
- Properties
- Relationships
- Mappings
  - DDI 3.2
  - GSIM
  - RDF
- Documentation
Exports

- the UML model (XMI)
  - Used in the build toolchain for generating
    - The XML Schema (XSD)
    - The RDF vocabulary
- Graphs (dot)
- DocBook
- reStructuredText
Bash script currently runs the xslt:s and outputs a zip-file each day.

Development builds of DDI4

These builds are generated by the content export via XMI and DocBook from this site. The build is automatic each day at 23:50 GMT+1.

Latest build

2015-06-01.zip

Build history

- 2015-05-29.zip - 3.29 MB
Graphs

- GraphViz (.dot files)
- Transformed to svg and png
reStructuredText (Sphinx)

- Added last week
- Easily maintainable
- Easy to add “static” documentation for e.g. introduction
- Can create html, pdf, ebook ...

http://ddi4.readthedocs.org
Next step(s)

- Buildserver (Jenkins or Bamboo)
- Validate the output from the build (XSD, RDF etc)
- Improve the reStructured text output
Developers developers developers!

Give the developers:
● good documentation
● wide range of examples (simple to complex)

You get:
● adaptation and implementations
● interoperable tools
Your input is important and needed!

- on the model
- documentation

- when we get closer to release
  - request for needed examples
  - write examples
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