Köln Sprint – December 2016

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# Purpose

This sprint is a small technically focused sprint intended to address specific infrastructure issues in the production process and to prepare a specification for the RDF binding and other possible programming activities. All records of activities will be captured in the appropriate JIRA issue trackers. A check list of specific topics will be listed with related JIRA issue. At end of sprint any outstanding items will be addressed by the group responsible for the specific issue.

# Agenda

* Review and prioritize early agenda items
* Review and verify status of Lion Issue Tracker
* Review and verify status of issues in DOC
* Review and verify status of issues in RDFOWL
* Write RDF specification document draft (for review by TC, Modeling Team and AG)
* Write descriptions of programmer Tasks for Lion work (for review by TC, Modeling Team and AG)
* Create JIRA tracker for XMI and enter items noted Monday

# Completed Work

## Google Cloud, Jenkins, and Dockers:

Work began prior to the Sprint with a meeting on the previous Friday to set up the process and procedures for transferring from Bamboo in the Atlassian Cloud to Jenkins in the Google Cloud. A clearer division for folders in Bitbucket was established enabling us to separate publication, development, and environment space for each product line. This means that in addition to the shift in the DDI-Views production line, the Technical Committee can more their DDI-Lifecycle and DDI-Codebook development work into the DDI-Alliance Bitbucket repository (currently in a privately held Bitbucket repository).

A diagram of the workflow has been written and a draft document of the overall structure is being written (draft completed by end of sprint). Documentation of the system will be held in the DDI-Tools section of the Confluence Wiki.

<https://ddi-alliance.atlassian.net/wiki/display/TOOLAD/Docker+Environment+with+Jenkins>

A copy of the Bamboo system will be archived in the Bitbucket environment section.

Individual sections and Dockers are being tested and work is progressing on ensuring that the set of Dockers work effectively together. It is expected that this work will continue past the sprint.

## Review of Technical Issues in Lion (Github), RDFOWL, XML Bindings, Documentation, and XMI

* Lion issues were reviewed with Olof. 12 issues were posted. 3 remain for work. Others were either closed as no longer relevant or moved to the appropriate issue list in JIRA.
* A review of all RDFOWL issues resulted in 12 being resolved or completed, 6 in progress, and 1 in review. A number of issues were no longer relevant and the tracker is now up to date and actively managed.
* There are no open XML Binding issues.
* The 12 Lion related issues in Documentation were labeled and reviewed as the basis of creating task specifications for open issues. 9 are open, 1 is in progress, 1 is resolved, and 1 is done.
* A new JIRA tracker for XMI issues was created and XMI related issues assigned to it from other issue trackers.

The remaining outstanding issues relating to work in Lion were divided into those that could be handled by Jon and Oliver, and the following sets:

* Mappings (capturing content) - GSIM, DDI 3.2, DDI-L, RDF
* Release information (change log, version, readme)
* Usage of Lion (ease of use functions, auto-fills etc.)
* Functional View editing page content

Drafts of specification for related task sets have been written. These need to be reviewed by Olof for a general estimate of time and skill set required for out-sourcing. These can then go to the Technical Committee, Modeling Team, and Advisory Team members for comment and subsequent referral to the Executive Board for funding consideration.

DRAFT: Mappings

<https://ddi-alliance.atlassian.net/wiki/download/attachments/63963164/Class%20Level%20Documentation%20enhancement.docx?version=1&modificationDate=1481896901287&cacheVersion=1&api=v2>

DRAFT: Usage of Lion

<https://ddi-alliance.atlassian.net/wiki/download/attachments/63963164/LionEaseOfUse.docx?version=1&modificationDate=1481896871883&cacheVersion=1&api=v2>

DRAFT: Functional View Editing Page

<https://ddi-alliance.atlassian.net/wiki/download/attachments/63963164/Specification%20for%20Functional%20View%20Edit%20Page.docx?version=3&modificationDate=1481886958718&cacheVersion=1&api=v2>

The creation of the JIRA issue tracker for XMI issues brings together items to consider in identifying a canonical XMI structure. This would allow us to interact with a broader number of modeling tools, providing both flexibility to our production work, and a better means of supporting implementers of DDI and those interested in relationships between DDI and other standards. Achim Wackerow has begun work on this document.

DRAFT: <https://ddi-alliance.atlassian.net/wiki/download/attachments/63963164/DDI-Views_UML_Elements_FromModelToBindings.docx?version=1&modificationDate=1481633336959&cacheVersion=1&api=v2>

## Specification for RDF Work

A draft document outlining the discussion documents and RDF Vocabulary work required from an RDF consultant. This document is ready for review and comment by members of the Technical Committee, Modeling Team, Advisory Team, and other identified experts.

DRAFT: <https://ddi-alliance.atlassian.net/wiki/download/attachments/63963164/RDF%20Work%20Specification.docx?version=4&modificationDate=1481885611192&cacheVersion=1&api=v2>

# Post-Sprint Activities

1. Release the following documents via the DDI-SRG list for comment by mid-January:
   1. Specification for RDF Work
   2. Lion Task Specifications (a combined prioritized list of all Task Specifications related to Lion)
2. Finalized documents go to the Advisory Group for approval and referral to the Executive Committee.
3. Continued work on the canonical XMI document (Achim Wackerow)
4. Finalization of Google Cloud environment and transfer of production process
5. Full documentation of the production process and environment in Atlassian Tool Administration section [**https://ddi-alliance.atlassian.net/wiki/display/TOOLAD/Tool+Administration**](https://ddi-alliance.atlassian.net/wiki/display/TOOLAD/Tool+Administration)
6. Movement of DDI-Lifecycle and DDI-Codebook development work to Bitbucket (following release of 3.3 for review)