
Integrating DDI 3-based tools with Web Services

Connecting Colectica and eXist-db



SND Swedish National Data Service



< *ddi* >

Project Introduction

- SND has a XML database-backed DDI 3 storage system
 - Colectica has its own DDI 3 storage repository and a DDI 3 editor
 - Since both systems talk DDI 3, we should be able to integrate the two systems
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Colectica Integration

- Written as a Colectica Addin
 - Navigation Extension
 - Communicate with SND's Web Service
 - Get lists of items by type
 - Get individual items
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Colectica Integration - Effort

4

Hours

118

Lines of Code

eXist-db

- eXist-db is an Open Source Project licensed under LGPL
 - Uses Lucene as an extension index for full text searches
 - eXide. Web based XQuery IDE
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eXist-db Web Service

- REST-service created with xQuery script
 - Methods: FindItems, GetItem
 - Returns DDI3.2 ddi:Fragment elements
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Web Service Methods: FindItems

- Used to find items of a specific element type
 - Parameters
 - targetType
 - targetTypeParentID
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Web Service Methods: GetItem

- Return the element with the specified id
- Parameter
 - id

eXist-db Effort

3

Hours

77

Lines of Code

eXist-db Code

ddi-exist.googlecode.com

Future Possibilities

- Support writing, not just reading
 - Integrate with Colectica Portal
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Thank You

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