

Exanda

A Flexible On-Line Tabulation System Using DDI 3

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Overview From User Perspective I

- Tables and charts in a web browser
 - Up to three variables
 - Multiple output formats
 - A Bookmark can be set for each result
- Multiple languages for content and user interface
- Web pages confirm to common rules of accessibility

Still in the works

Overview From User Perspective II

- Various output formats
 - Tables with frequencies, common percentages
 - Grouped and stacked column charts
 - PDF report for printing with all tables and charts from above
 - For further processing
 - DDI 3 nCube
 - Excel spreadsheet
 - Flash client for explorative approach
 - Quick change of dimensions
 - Focus on subgroups
- Still in the works*
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Demonstration with a Survey on Institutions of Vocational Education and Training

- Demo
- DDI nCube

Technical Overview

RDBMS (i.e. Postgresql)
with **JDBC Protocol**
data storage
data selection/aggregation

XML Database (i.e. eXist)
with **XML:DB Protocol**
<ddi> document storage
metadata selection

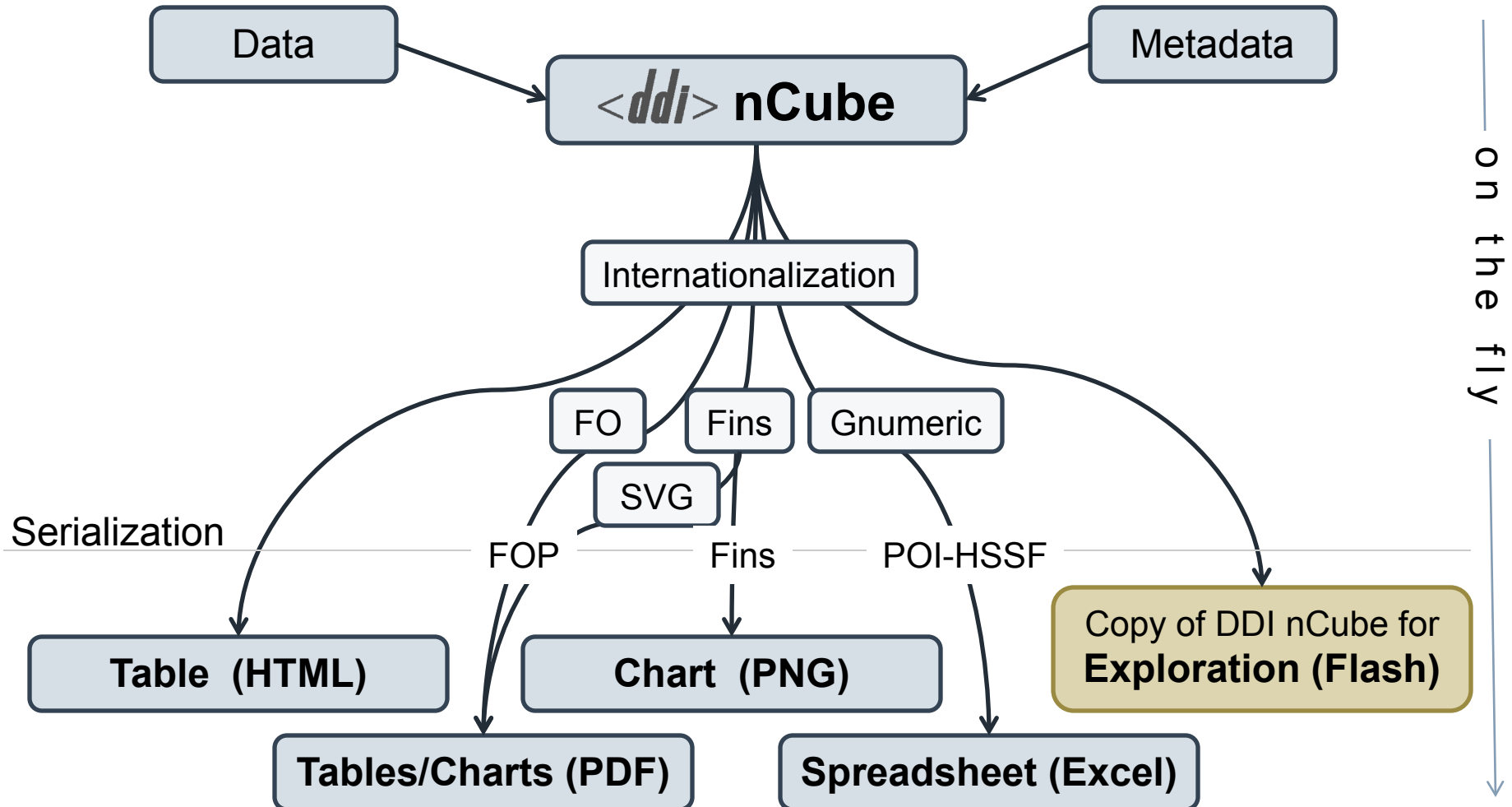
Java Application Server
(i.e. Tomcat)
Cocoon XML framework
Transformation

Protected Network

Apache Web Server
access control, encryption,
compression, caching

**Web
Browser**

Cocoon XML framework / Transformation



Technical features

- Study update possible by client from remote site
- Sites for multiple institutions can be hosted at one installation
- Scalability by distribution of servers on several computers
- A portal can be built for multiple distributed Exanda sites with HTTP/HTTPS.

Configuration / Availability

- Flexible configuration
 - Disclosure control for small cell counts
 - Template-driven output formats
 - Look and feel for multiple sites
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- Open source under a GNU license
 - Available in summer 2009