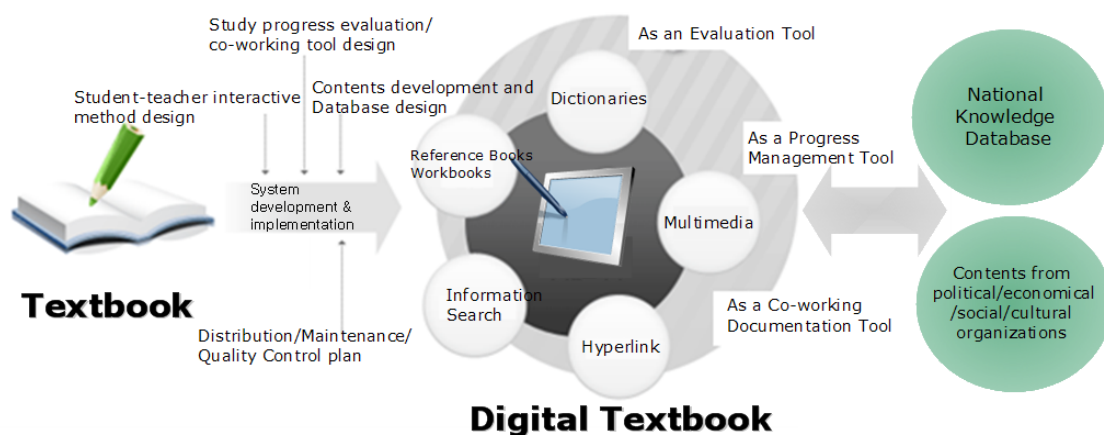


# Asianux Server as Digital Textbook Contents Server

## ***What is Digital Textbook?***

The Digital Textbook includes original text books, work books and dictionaries along with a full set of multimedia material such as movies, animations and virtual environments. This is state of the art educational material. The Digital Textbook will help each student fulfill their potential according to their specific needs. The Digital Textbook brings together a huge amount of teaching resources with the latest information on social issues. Its structure allows students to interactively study not only with teachers but also with experts from any field.

## ***Digital Textbook Features***



- Multimedia and Hypermedia
- Meta media (Media Consolidation)
- Interactivity
- Information Visualization
- Individualized Study Environment
- Memorization and Comprehension
- Internet wired
- A Profusion of Authentic Contents

### ***Number of tentative schools adopting the Digital Textbook***

- 2006, 5 tentative schools selected.
- December 2007, 15 tentative schools selected for 2008.
- August 2008, 8 tentative schools selected out of 20 schools for open software based Digital Textbook.
- 2009, a total of 112 schools chosen including the previous 20 schools from 2008.

## System Configuration

### Customer's Requests

- Fast content distribution and maintenance for textbook updates
- Collaboration tool for multi-student projects.
- A way for students to save notes, memos and other material written or used in class, and its backup system.

### Server Configuration

- Infrastructure that allows students to download textbooks saved in the central server through 2nd level content servers in each school.
  - Load balancing for the central content server by putting higher priority to the 2nd level content servers in schools.
  - Regular content synchronization between the central server and the 2nd level contents servers in schools.
- Collaboration server that allows student to work together for documentation.
- Accessibility from anywhere to data such as memos and notes saved in the server.

### Provided Features

- The server synchronization system between the central server and the content server (New development).
- Environment for document collaboration (based on ThinkFree Server).
- Apache, Tomcat, MySQL.

