ASPECT
Vocabulary Bank for Education
&
Application Profile Registry

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VBE Overview

- Repository/Bank functions:
  - management
  - dissemination
- Content:
  - vocabularies
  - thesauri
  - controlled lists
  - Etc.
- Scope
  - content relevant to the Aspect project

VBE Features

- Allows different organisations (authorities) to **manage** only their own data but to **re-use** and/or **map** to any other data

- **Alerts** interested parties and systems about changes to data

- Manages the **lifecycle** and history of vocabularies

- Provides **multi-format**, **multi-lingual** versions of vocabularies

User Interface

Machine Interfaces

- RESTful APIs
  - designed to allow remote systems and users to quickly and easily interact with the repository
  - search function accessed via a SOLR search API
- RSS alerts to most recent changes
- upload vocabularies directly via the user interface
- download vocabularies via the user interface or API

Using the API

- Two main scenarios:
  - Live in real time for each request
    - **Advantage**: Always retrieve the latest version and no management overhead on local system
    - **Disadvantage**: batch processing speeds, latencies and performance issues related to reliance on real time link
  - Create local copy and synchronise
    - **Advantage**: Always a local copy so no external dependency
    - **Disadvantage**: Need to manage the local copy and updates

Real time access

- Access the vocabulary 'header'
- Access top terms/concepts
- Access individual terms
- **Reason** call for all broader terms

Note: All calls available for **any** historical revision

Synchronised local copy

- Check the whole repository to see if any changes

- Check individual vocabularies

- Get differences

- Download whole revision (or differences) in particular format

APR Overview

- Registry functions:
  - describe profiles
  - Compare profiles
  - link to definitive source (e.g. data model, schema)
- Content:
  - core standards (e.g. LOM)
  - profiles of core standards
- Scope
  - profiles relevant to the Aspect project

User Interface

🏠 Home 📄 Mappings 📄 API 📄 Authorities 📄 Namespaces 📄 Elements 📄 Profiles

📦 New Profile

Profile List

[   ] search

Name	Specification Type	Authority	Basedon
IEEE LOM	Core Standard	Learning Object Metadata	IEEE LOM
LRE Metadata Application Profile	Profile	Learning Resource Exchange	IEEE LOM
iCOPER LOM Profile	Profile	ICOPER	IEEE LOM
UK LOM Core	Profile	JISC	IEEE LOM

APR Features

- user interface to allow profiles to be defined
- profiles inherit properties from parent (core standard or another profile) using '**based on**'
- registers details of **authorities** and **namespaces**
- provides **mappings** between profiles
- element **vocabulary** field links to **VBE**