The CIMI Z39.50 Profile
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The CIMI Profile
Z39.50 Search and Retrieval of Cultural Heritage Information

CIMI:
Consortium for the Computer Interchange of Museum Information
- CIMI Consortium -- 20+ Member Organizations
  - Forum to solve complex problems concerning electronic interchange of museum information
  - Coordinating technical and professional standards development and encourage standards-based software and network services
test specifications for services, user models, and a set of base standards
  - Collaborate on the development of models, formats and syntaxes
- Z39.50, Dublin Core, Integrated Information Mgmt

Background & Context
- Project CHIO -- NEH funded demonstration
    - six month implementation experience to test specifications and identify issues
  - The CIMI Z39.50 Profile for search & retrieval of cultural heritage information (1998)
    - Harmonization of CIMI Profile with Aquarelle
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Challenges

- Modeling search and retrieval across a variety of museum information resources
- Providing clear semantics related to access points and other query criteria for communication of museum searches
- Developing schemas and abstract record structures to enable the retrieval of images & text from museum repositories & libraries

A Uniform Interface for Distributed & Integrated Access

The CIMI Profile

- Specifications for using Z39.50 for search and retrieval of cultural heritage information
- Evolved to reflect solutions to issues and implementation experience
  - CIMI Attribute Set -- reflecting access points for
  - Abstract Record Schema -- reflecting different views on database record for retrieval
  - Integration of Dublin Core Elements
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Retrieval of Multiple Images and Multiple Resolutions

- You have a range of information
- CIMI Profile has specs to provide mechanism to express information

- Original Object
- Image1
- Thumb
- Snap
- High Resolution
- Image2

CIMI Z39.50 Working Group Meeting

- A CIMI-2 Attribute Set within the framework of the new attribute architecture

Using XML to express the CIMI Record Schema, currently expressed in GRS-1

Interchanging institution & scope of collections information

The use of the Z39.50 Thesaurus Profile

CIMI Profile Information

- CIMI Website:
  - www.cimi.org
- The CIMI Profile
  - http://www.cimi.org/standards/index.html#THREE