ISOcat
Data Category Registry

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Goals

• Provide a 12620 compliant DCR
• DCR management:
  – DC standardization process
  – user workspace management
  – ...
• State-of-the-art Web UI
• REST and SOAP APIs
• Mirror sites to provide high availability
Implementation

• Front-end:
  – Tibco General Interface (open source): a Rich Internet Application client-side library providing state-of-the-art UI widgets and AJAX communication facilities

• Back-end:
  – 1060 NetKernel (commercial open source): a REST-based application server providing a wide range of XML-based technologies

• DBMS:
  – PostgreSQL (open source): state-of-the-art DBMS
System architecture

web interface

REST API

WS API

control access

manage session

manage user profile

manage comments

manage balloting

manage access

access data

manage system

core DCR services

mirror

DBMS

client

tool

administrator

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TC37 2007 Conference
Current implementation

- Read-only access to a Syntax dump (early 2007)
- Explore your workspace
  - public profiles
  - shared data categories
  - private data categories
- Create a Data Category Selection
  - after data category inspection
  - drag-and-drop a data category from another selection
- Various candidate interfaces
  - Explorer look-a-like
  - Desktop look-a-like
  - Tab-based
Explorer look-a-like
Desktop look-a-like
Future work

- **Short term:**
  - GMT export of a DCS
  - Save new DCS
  - Edit existing DCS
  - Query for DCs
  - User (session) management
  - Mix-and-match the candidate interfaces

- **Mid term:**
  - Create new DC
  - Edit existing DC
  - Support standardization process

- **Long term:**
  - Mirroring

Supports guest access to the (static) DCR

Supports expert access to the DCR

Provides high-availability
Related work

• Creation of a supporting website
  – www.isocat.org

• Supporting services
  – Content Management System
  – Bug tracking system (bugzilla)
How can you help?

- Test the system and give us feedback
  - bug reports
  - feature requests
  - candidate interface preference/alternative
  - etc.

Sign-up by sending an email to

Menzo.Windhouwer@mpi.nl
Demo/trial

• You can now take ISOcat for a testdrive at http://lux12.mpi.nl/isocat/

• Supported browsers:
  – Internet Explorer 6 and 7
  – Firefox 1.5 and 2

• Known issues:
  – Firefox sometimes hangs
  – Internet Explorer selects text during dragging