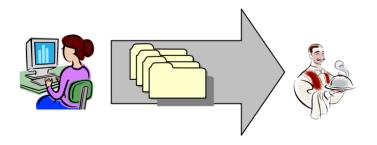
Six Questions (Q6) and the OpenURL Object Model (OOM)



Jeffrey A. Young
OCLC Office of Research

jyoung@oclc.org

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Six Questions (Q6)

- Any (web) service request can be represented by answers to the following five questions:
 - 1. What is the subject of the request?
 - 2. Why is the subject being requested?
 - 3. Who invoked the request?
 - 4. Where was the request invoked?
 - 5. When...?
 - This facet isn't clearly modeled in Q6 or in OpenURL
- Given answers to "what", "why", "who", and "where"):
 - **6. How** is the information transmitted?
 - REST or SOAP
 - 2. XML or Key/Value pairs

Q6/OpenURL 1.0 Label Map

Q6 OpenURL 1.0

1. What = Referent

2. Why = ServiceType

3. Who = Requester

4. Where = ReferringEntity

5. When = N/A

6. How = Transport

Q6: "Folders" (OpenURL: "Entities")

What

What is the subject of the request?

Why

Why is the subject being requested?

Who

Who invoked the request?

Where

Where was the request invoked?

Q6:"Clues" (OpenURL:"Descriptors")

What

Zadie Smith's "On Beauty"

Why

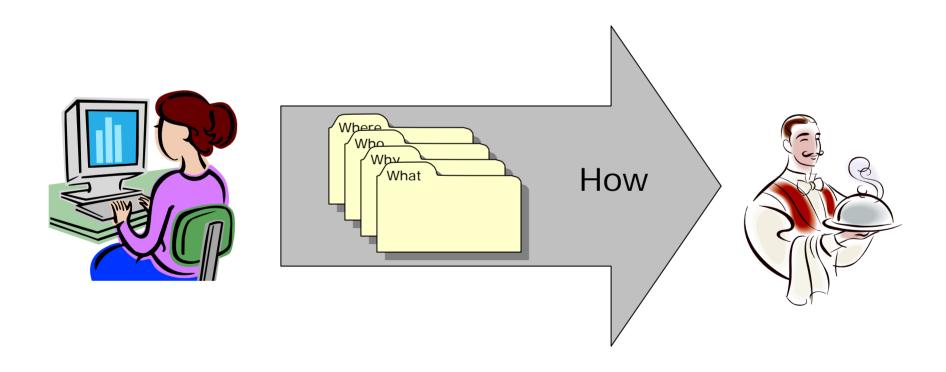
Edit review

Who

mailto: jyoung @oclc.org Where

http://www.w orldcatlibrarie s.org/...

Requesting a Service



Applying Q6: The "Skin" Interpretation

- Service: Edit a book review in Open WorldCat
- Q6 Breakdown:
 - How:
 - http://www.worldcatlibraries.org/wcpa/oclc/6139695 6; jsessionid=3D0486D8D687A2C9AE.four?page=wiki &wikitype=review
 - (BaseURL): http://www.worldcatlibraries.org/wcpa/
 - What: oclc/61396956
 - Who: ; jsessionid=3D0486D8D687A2C9AE.four
 - Why: ?page=wiki&wikitype=review
 - Where: (Taken from the HTTP 'Referer' header)

Why is this important? Theory 1: Interoperability

- Standard URL patterns would make life easier for developers, <u>IF</u> those patterns are simple and intuitive
 - This might facilitate mash-ups
- Unfortunately, OpenURL has a reputation for using complex and confusing URL patterns, but those patterns are <u>optional</u>
 - New patterns can be defined by a community and added to the OpenURL Registry

Why is this important? Theory 2: Simple Application Framework

- The OpenURL Object Model (OOM) defines language objects that mirror the abstractions in the OpenURL specification
- Various URL patterns are treated as skins with normalized "What", "Why", "Who", and "Where" folders used internally
 - Skin 1 may expect an OCLC number "clue" to be expressed as "<oclcNo>61396956</oclcNo>" via SOAP
 - Skin 2 may expect an OCLC number to be expressed as "oclcnum=61396956" via an HTTP key/value pair
 - Each such skin would be associated with a class that would transform this clue into the URI "info: oclcnum/61396956" for internal consistency
- Once these clues are normalized for internal consistency, adding new services should be trivial

Questions?

- Q6 Blog
 - http://q6.oclc.org/
- OpenURL Object Model (OOM)
 - http://q6.oclc.org/2006/08/openurl_object.html