URI Based Extensibility

Deciphering the Description

"Using URIs (as opposed to plain strings) either directly or as a means of scoping (eg. namespaces, profiles) grounds extensions in URI space. "

- URIs

- <html xmlns="http://www.w3.org/1999/xhtml" ..>

- <head profile='http://www.w3.org/2006/03/hcard'>

- Many cases of creating URIs from XML names

  - Schema Component Designators, WSDL 2.0 Component Identifiers, …

"This enables decentralized extensibility and it enable 'follow-your-nose' style discovery of information about extensions. "

- Dereference URI often results in a representation

  - maybe with HTML with RDDL

"Over time the W3C Technical Architecture Group has come across several example of extensions that are not grounded in URI space and the difficulties that causes. "

Deciphering continued…

"Of particular recent interest are"

- "the possible deprecation of extensibility attributes from HTML5",

  - deprecating @profile?

- "a proposal to add a form of namespaces to HTML5"

  - http://intertwingly.net/blog/2007/08/02/HTML5-and-Distributed-Extensibility

  - Use xmlns and use colon as separator.

- "and the use of unqualified/scoped class attribute strings as semantic tags in microformat definitions. "

  - From http://www.gmpg.org/xfn/

    - "XFN enables web authors to indicate their relationship(s) to the people in their blogrolls simply by adding a 'rel' attribute to their <a href> tags

      <a href="http://jeff.example.org" **rel="friend met"**>..."

  - http://microformats.org/wiki/misconceptions

More URI Based Names

- Real or perceived limitations of URIs and/or XML Namespaces provokes other solutions

- CURIEs (http://www.w3.org/TR/curie/)

  - <html xmlns:wiki="http://en.wikipedia.org/wiki/">
    <head>...</head>
    <body>
       <p> Find out more about
           Thales

Panel

- Tim Berners-Lee
- Dan Connolly
  - co-chair of the HTML Working Group
    - which is something an experiment in the W3C process, with over 450 participants.
  - played leading roles in the development of URIs, HTTP, XML, RDF, and OWL and currently serves on the W3C Technical Architecture Group (TAG).
- Ian Hickson
  - editor of the HTML5 specification
- Chris Wilson
  - co-chair of the HTML Working Group
  - platform architect of the Microsoft Internet Explorer team

Q&A

- One Question from each Panelist, answered by all panelists
- Audience
  - ▸ Microphones available
  - ▸ Please say your name and affiliation