Linked Data: Enabling Standards and Other Approaches

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Linked Data Principles

- Use URIs to identify things.
- Use HTTP URIs so that these things can be referred to and looked up ("dereferenced") by people and user agents.
- Provide useful information about the thing when its URI is "dereferenced," using standard formats such as RDF/XML.
- Include links to other, related URIs in the exposed data to improve discovery of other related information on the Web.
- Tim Berners-Lee, http://www.w3.org/DesignIssues/LinkedData
Some Key Standards Areas

- Unique Identification
- Protocols for Look Up
- Common Formats, including Serialization
- Useful Information (metadata) about the “Thing”
- Relations between “Things”
Presentations and Speakers

- W3C’s SKOS and SKOS XL – by Jon Phipps [5]
- W3C’s RDFa which is actively being refined [6] and has generated significant fresh usage activities – by Ed Summers.
- NISO I2 (Institutional Identifiers) [7] – by Mark Needleman and Jody DeRidder
- [reference notes on next slide]
References

2. JTC 1/SC 34 - Document Description and Processing Languages http://www.itscj.ipsj.or.jp/sc34/
5. W3C SKOS Simple Knowledge Organization System Reference http://www.w3.org/TR/skos-reference/
6. W3C RDFa Working Group Document Development Area http://www.w3.org/2010/02/rdfa/drafts/
8. W3C Library Linked Data Incubator Group http://www.w3.org/2005/Incubator/lld/