W3C Linked Data Platform Open Meeting
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1. Use URIs as names for things
2. Use HTTP URIs so that people can look up those names.
3. When someone looks up a URI, provide useful information, using the standards (RDF*, SPARQL)
4. Include links to other URIs, so that they can discover more things.

He concludes this with: “Simple.”

Integrate with data & open protocols instead of glue code

“If the entire Web can connect like this, why wouldn't the same idea work for ALM?”

Applying Linked Data to the ALM Integration Challenge:

- Artifacts such as defects, change requests, and tests become resources exposed as RDF that can be linked to each other
- Tools simply access the resources via HTTP following the Linked Data principles
Challenges of using Linked Data

- No formal definition
- State of the art was primarily about publishing read-only data on the web, downloaded and updated as large dumps or via a SPARQL entry point
- Tim Berners-Lee's four principles are a terrific foundation but didn’t go far enough.
- Developers were left with many unanswered questions:
  - How do I create a resource?
    - It seems obvious that you use POST to create, but what do you POST to?
  - Where can I get the list of resources that already exist?
  - Which vocabulary do I use?
  - Which media types do I use?
  - When resources get big, how do I split the information into pages?
  - How do I specify ordering?
Open Services for Lifecycle Collaboration (OSLC)

Working to improve the way software lifecycle tools share data

- Community driven and governed
  - 400+ registered community members
  - Workgroup members from 34+ organizations
- Wide range of interests, expertise, & participation
- Open specifications for numerous disciplines
- Defined by scenarios – solution oriented
- Implementations from IBM, BPs, and Others
  - Based on W3C® Linked Data

Inspired by the web
Proven
Free to use and share
Open
Changing the industry
Innovative

For more info see: http://open-services.net
Several necessary and desirable features are not in scope for LDP 1.0:

- **"Inlining"**
- **Validation/Constraints**
  - RDF Data Shapes Working Group developing SHACL
  - How can LDP leverage SHACL?
- **Security – Authentication & Access Control**
  - WG identified requirements and use cases
  - Several technologies can already be used: OAuth, WebId, etc.
- **OSLC Track Resource Set**
  - Protocol allowing clients to track state changes to resources
- **OSLC Query**
  - Simple query mechanism
  - `http://example.com/bugs?
    oslc.select=dcterm:created,dcterm:creator{foaf:familyName}&oslc.where=cm:severity="high"`