



# Discovery

Michael McCool

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# Outline

- Discovery Editor's Draft Review – What's New
- Open Issues
- Implementation and Testing Gaps

# What's New

## Editor's Draft Review

- API Refactoring
  - Property for listing, Actions for queries
  - Separate events for different notifications
- Embedded metadata (Enriched TDs)
  - Expiry datetime

# Open Issues

- Pagination using explicit JSON payload
- TD/TM appropriateness for describing Discovery API
  - When to use actions vs. properties
  - No standard way to support collections
  - No standard way to support dynamic resources
  - Chunking, use of HEAD, PATCH, etc.
- RDF Framing and round-tripping
- "Local" IDs
  - How to deal with anonymous TDs (those with no "id" set)
- Validation
  - How to deal with extensions

# Implementation and Testing Gaps

- Elements that Need Testing
  - Introductions: DNS-SD, DID, CoRE RD
  - Explorations
    - Self-Description
    - Directory Service
- Directory Service
  - Largest part of the specification
  - Two separate implementations in progress
  - Start on a test suite, tool integration
  - Gaps/challenges:
    - Only one committed to (the optional...) SPARQL implementation
    - Query mechanisms (e.g. JSON Path) very "large" – how to validate?
    - JSON Path specification still in draft (with IETF)