

Web Discovery & Friends

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Web Linking

- Common Relation Types
 - HTML, ATOM, HTTP, etc
 - HTTP Link Header
 - IANA Registry
- draft-nottingham-http-link-header

Well-Known URIs

- Path Prefix for HTTP(S) URIs
 - /.well-known/
- Host-wide Scope
 - draft-nottingham-site-meta

XRD

- Resource Descriptor Format
 - Simple, Minimalistic Schema
 - XML-based
 - Extensible
- Uses Web Linking
 - ATOM/HTML Style Links Elements
 - IANA Relation Type Registry
- Basic Signature Support

XRD

```
<?xml version='1.0' encoding='UTF-8'?>
<XRD xmlns='http://docs.oasis-open.org/ns/xri/xrd-1.0'>

  <Subject>http://example.com/post?id=1</Subject>
  <Alias>http://example.com/2010/02/announcement</Alias>

  <Expires>2010-04-01T00:00:00Z</Expires>
  <Property type='http://spec.example.net/blogapi' />

  <Link rel='license' type='text/html'
    href='http://example.com/license' />

  <Link rel='comments-api-example'
    href='http://example.com/comment?id=1'>
    <Title xml:lang='en-us'>Leave A Comment</Title>
    <Property type='http://spec.example.net/version'>1.0</Property>
  </Link>
</XRD>
```

host-meta

- Host-wide metadata
 - RFC 3986 Host (IP Address / Domain)
 - Not Protocol or Scheme Specific
 - Well-Known Document
 - Obtained via HTTP / HTTPS
 - XRD
 - Link Templates
 - <Host> extension instead of <Subject>
- draft-hammer-hostmeta

host-meta

```
<?xml version='1.0' encoding='UTF-8'?>
<XRD xmlns='http://docs.oasis-open.org/ns/xri/xrd-1.0'
      xmlns:hm='http://host-meta.net/ns/1.0'>

  <hm:Host>example.com</hm:Host>
  <hm:Host>www.example.com</hm:Host>

  <Link rel='license' type='text/html'
        href='http://example.com/license' />

  <Link rel='author' type='text/html'
        template='http://example.com/author?post={uri}'>
</XRD>
```

LRDD

- Link-based Resource Descriptor Discovery
 - Unified Process for Multiple Link Sources
 - Markup: HTML / XHTML / ATOM
 - HTTP Link Header
 - host-meta Templates
 - LRDD Documents (rel='lrdd')
 - Customized Link Processing Order
- draft-hammer-discovery

acct: URI Scheme

- **acct:local@host**
 - Host per RFC 3986, Anything from End to Last '@'
 - Local identifier is host-specific, URI Path String
- Protocol Agnostic
- No Existing Browser Behavior (mailto:)
- Intentionally Limited and Simple Syntax

WebFinger

- **finger** Reincarnated Using HTTP
- Unified Discovery Process
 - acct:
 - http: / https:
- Resolves into an LRDD Document
- Experimental