



# and YADIS

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## *What is OpenID?*

- A URL based identity system
  - Proves that you have control over a URL
    - One-time assertions with a digital signature
- Free, decentralized, and open protocol
  - Has open implementations in various languages
- Will survive even if a company goes out of business or turns evil
- Low barrier to entry
  - Works with static HTML pages
  - No SSL required
  - No browser plugins required



## *What OpenID isn't...*

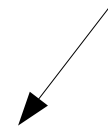
- A service or company
- A trust or reputation system
  - Spammers can/will/have setup OpenID servers
  - Trust/reputation providers on their way and require identity first
    - 5+ companies working on this
    - TrustRank
- A solution to all identity problems
- Perfectly secure
  - DNS spoofing
  - Man-in-the-middle (between some parts)



## Why?

- Most blogs currently have no authentication when leaving comments
  - I can say I am anyone
- Foster Auth. Interoperability
  - LiveJournal, DeadJournal
  - TypePad, Movable Type
  - WordPress, Schtuff, MyOpenID, Videntity, ...

lame



Name:

Email Address:

URL:

Remember Me?  Yes  No

Comments: (you may use HTML tags for style)

Preview

Post



## *Why URLs as identity?*

- Already the convention
  - Comment by Matt at 7:23pm
  - Mouseover to see which Matt
- Users don't understand public keys
- Users don't understand namespaces
- Users do understand URLs
  - 10+ years of billboards and TV commercials
- You can click them
  - Tangible
- No new namespace or public keys (key revocation, etc...)



## Chicken / Egg

- LiveJournal / TypePad / Movable Type
  - All are OpenID consumers
- TypeKey
  - Still speaks TypeKey. *also* speaks OpenID
  - An OpenID provider for people without their own
- 10M+ OpenID users who don't know it
  - Already: DeadJ/GreatestJ/LiveJ interop
- Has the largest deployed userbase of all REST-ful identity systems



## *Why should you use OpenID?*

- Interoperate with others using OpenID
  - Your users can mark external users leaving comments as “trusted” or “friends”
  - Your users can bring their identity to other sites, thus advertising your service
- Not theoretical, already in use
- Can support OpenID + \_\_\_\_\_ in future
  - No reason to *only* support OpenID
  - YADIS
- Free
- Open libraries for most languages



## *What is YADIS?*

- Lightweight URL based capability discovery protocol
- Uses a subset of the XRD services document
- Not just for identity
  - I am an Atom endpoint
  - I speak Flickr's protocol
- Architectural Assumptions
  - Fully decentralized, no one point of control
  - Let many (interoperable) flowers bloom
  - URLs as identifiers
  - REST-ful and easy to use for both developers and consumers





## *How does YADIS fit in?*

- Not everyone wants to talk OpenID
  - Nor any one other one protocol
- OpenID does nothing other than SSO
- Using YADIS, you can define one of your Services as being OpenID SSO
- Your identity URL will now tell consumers (relying parties) that it speaks OpenID + others
  - Allows the RP to pick the best protocol for the task at hand
- Uses OpenID's method of delegation so other protocols can work on “Geocities” type hosting



# Questions?

- OpenID
  - <http://www.openid.net>
  - <http://www.openidenabled.com>
  - <http://www.myopenid.com>
- YADIS
  - <http://www.yadis.org>
- Mailing lists
  - [yadis@lists.danga.com](mailto:yadis@lists.danga.com)

