# **OpenID & SWITCHaai**

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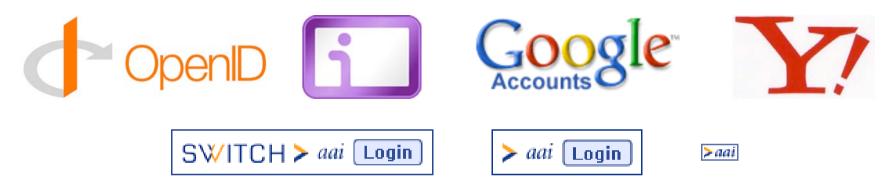
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#### **Overview**

- Motivation
- 2 Characteristics of Digital Identities
- 3 OpenID and its characteristics
- 4 Characteristics of SWITCHaai
- 5 Conclusion

#### **Motivation**

 Have you ever met one of these logos as an alternative to a login form?



- These are all external authentication methods with different properties
- Focus on OpenID & SWITCHaai

# Some Characteristics of Digital Identities

- Professional vs. Private Digital Identities
- Assurance and Attributes
  - depends on registration process
- Acceptance and Reputation
  - depends on issuer
- Duration of Existence
- Data Trail

## **OpenID**



#### • What is OpenID?

source: http://openid.net

- OpenID eliminates the need for multiple usernames across different websites, simplifying your online experience
- You get to choose the OpenID Provider that best meets your needs and most importantly that you trust. (...)

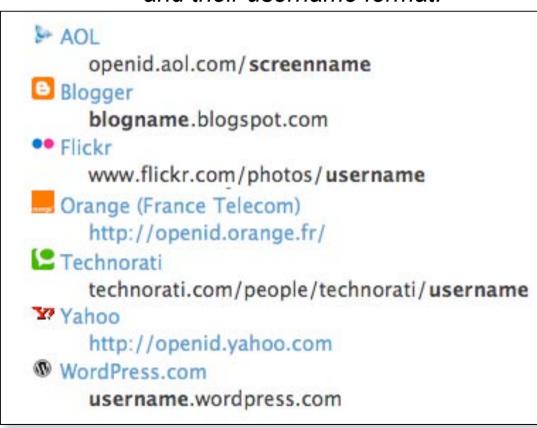
Sign In
E-mail:
Password:
Sign in Forgot password?
Other ways to sign in:
→ Sign in with OpenID
Sign in with Yahoo! ID
g Sign in with a Google Account

# OpenID (2)

- Where to get an OpenID?
  - Many possibilities to choose from
    - Well-known sites
    - Even more others
    - Do it yourself!

- ID may include your username!
  - Only OpenID 2 allows for pseudonymous usage

Some well-known issuers and their username format:



## **Characteristics for OpenID**

- Professional vs. Private Identities
  - Mostly used for private activities
- Assurance and Attributes
  - Mostly self-asserted information and once verified e-mail address
- Acceptance and Reputation
  - Big players issue OpenIDs, but do not accept from others
  - Any issuer only accepted when identity does not really matter
- Duration of Existence
  - As long as issuer exists and user knows how to authenticate
- Data Trail
  - With OpenID 1.1 the service provider knows always the username or screenname

#### **Characteristics for SWITCHaai**

- Professional vs. Private Identities
  - Professional: Linked to job or study
- Assurance and Attributes
  - Based on student or staff registration process
- Acceptance and Reputation
  - Full acceptance and good reputation within SWITCHaai
- Duration of Existence
  - Terminates with job or end of study, unless organisation supports alumniaccounts
- Data Trail
  - Anonymous usage possible with no user specific attributes at all
  - Currently: pseudonymous uniqueID allows tracking across services
  - In the future: service provider specific targetedIDs

#### Conclusion

- Two different application areas
- OpenIDs could be issued based on SWITCHaai identities
  - Does it make sense?
    - Mostly private OpenID usage vs. professional SWITCHaai usage
    - Base account terminates with job/study
- New developments to come we will evaluate them
- Reference for the SWITCHaai & OpenID FAQ:

http://www.switch.ch/aai/support/faq/#05