



"Let's Get Stronger": OpenID
and other Advanced Concepts for Secure TYPO3 Logon

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Agenda

- Why authentication is still an issue
- Work in progress (and non-progress)
 - ➔ TYPO3
 - ➔ The world
- OpenID user experience
- How to enable a TYPO3 site for OpenID – **in 3 minutes!**

Why Authentication is Still an Issue

- Web usage becomes more and more interactive
 - ➔ Web 2.0
 - ➔ E-Business
- Authentication is crucial for most interaction
 - ➔ You want to make sure nobody else is using your account
 - ➔ A content provider may want to be sure about your identity
- Attacks become increasingly aggressive
 - ➔ Phishing
 - ➔ Password guessing
 - ➔ Password re-use on multiple web sites
 - ➔ Wi-Fi wiretapping, Man-In-The-Middle, etc...
- **The Web was not designed for reliable and secure authentication**

Why Authentication is Still an Issue

- Oh, and:
For me as a user, it is just extremely inconvenient that I have to create more and more accounts on all those web sites out there!

Work in Progress (and Non-Progress)

- User education
 - ➔ Phishing (and of course other threads)
 - ➔ Personal password policy
- Web site password policies
 - ➔ Minimum password strength
 - ➔ Enforcement of password changes
- Detection/Blocking mechanisms (Google, Firefox, ...)
- Wiretapping protection (SSL, Challenge/Response)
- Strong authentication
- Single Sign-On

OpenID - Nothing New?

- Some may remember Microsoft's "Passport":
 - ➔ The user has a single point of authentication (at Microsoft, of course)
 - ➔ Other sites rely on that authentication, therefore do not need to implement their own logon or to store user credentials
- Luckily, this concept never made it...
- OpenID is "same, same, but different":
 - ➔ Open technology
 - ➔ No single point of authentication – freedom of choice
 - ➔ No commercial interests
 - ➔ Broad support

End User Experience

- ID is e.g. a URL ("guembel.myopenid.com")
- Live demonstration
 - ➔ Accessing an known site with an existing ID
 - ➔ Accessing an new site with an existing ID
 - ➔ Creating a new ID

Email Address or Screen Name:

Password:

[Forgot Your password?](#)

Sign In Using Your OpenID

OpenID URL:

 OpenID lets you safely sign in to different websites with a single password. [Get an OpenID.](#)

More Details

- The point of authentication is called "OpenID Provider" (a.k.a. "Identity Provider")
 - ➔ You can have multiple OpenID Providers
 - ➔ You can even run your own
 - ➔ You can have multiple identities at each OpenID Provider
- The authentication schemes offered by the OpenID provider can be any
 - ➔ userid / password
 - ➔ Software certificate
 - ➔ Two factor authentication: Chip Card, SecureID, cell phone, ...
 - ➔ Biometrics

How to enable a TYPO3 site for OpenID in 3 minutes !

- Extension by Didi Heise, heise@naw.info (thanks!)
- Live demonstration
 - ➔ Preparation: Make sure curl is available on your server
 - ➔ Install extension naw_openid
 - ➔ Insert plugin e.g. on your regular logon page
 - ➔ Create separate sysfolder for OpenID-created users
 - ➔ Write down FE User sysfolders and desired default group ID
 - ➔ Create TypoScript template, include naw_openid static template
 - ➔ Add TypoScript setup according to the above values, e.g.:

```
plugin.tx_nawopenid_pi1 {
    defaultUsergroupNewUser = 1
    fe_user_pid = 100,209
    fe_user_pid_create = 209
    responsePageUIDfromOpenIDServer = self
}
```

Is This Really the Way To Go?

- Solid concept
- Broad vendor support
 - ➔ VeriSign, IBM, Ebay/PayPal, Microsoft, SUN, ... (Joomla, Drupal :-)
- Dynamic project (v2 specs out now)
- Currently great public coverage
- It exists.

- Downsides?
 - ➔ You need to trust the OpenID provider! (or just be your own one)
 - ➔ The user's true identity is still unknown to the web site provider (unless the OpenID provider is trusted)

- **OpenID is very likely to make the race.**

naw_openid: Next Steps

- Still in beta
- Powerful edit mode
- OpenID for TYPO3 backend logon
- Improve documentation

Integration

- Firefox Seatbelt
<https://pip.verisignlabs.com/seatbelt.do>
- Windows Cardspace

Your Questions / Further Readings

- **Any questions?**
- openid.net
- en.wikipedia.org/wiki/OpenID
- www.notsorelevant.com/2007-09-02/a-beginners-guide-to-openid/
- openidgermany.de

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