

OpenID & PHP

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Overview

- OpenID enabling your PHP app
- Demos!

PHP Library

- Contributed by JanRain
- Supports I.x authentication + Extensions (e.g. sreg)
- <http://www.openidenabled.com/openid/libraries/php/>
- Licensed under the LGPL

Installation

- Packaged via PEAR
- pear install http://www.openidenabled.com/resources/downloads/php-openid/pear/Auth_OpenID-1.2.1.tgz

Implementation

- Storage Method
- Begin / Setup
- Verification

Storage

- Choose from an existing method
 - FileStore - plain file storage
 - SQL - generic SQL storage (via PEAR::DB). MySQL & SQLite
- Implement your own

Custom Storage

- Extend Auth_OpenID_OpenIDStore
- Extend Auth_OpenID_SQLStore
 - Implement ::setSQL with specific queries
- Extend Auth_OpenID_DatabaseConnection

DatabaseConnection

- `query()`
- `getRow()`
- `getOne()`
- `getAll()`

SQLStore

- Constructor
 - Establish DB connection
 - Create tables
- `setSQL()`
 - `$this->sql['create_auth'] = ...`

Authentication Begin

- Initialize Storage
- Instantiate Consumer
- Consumer::begin()
- Redirect

Example Auth Begin

- `$storage = new My_OpenIDStore();`
- `$consumer = new
Auth_Openid_Consumer($storage);`
- `$auth_req = $consumer->begin($identity);`
- `$redirect = $auth_req->redirectURL
($trust_root, $return_to);`

Variables explained

- `$identity` : user submitted OpenID url
- `$trust_root` : your site's base url (i.e. where they are logging into)
- `$return_to` : URL endpoint for the OP to send authentication information

Complete Auth

- Re-initialize \$consumer
- \$res = \$consumer->complete(\$_GET);
- Check \$res for one of:
 - Auth_OpenID_CANCEL
 - Auth_OpenID_FAILURE
 - Auth_OpenID_SUCCESS

Extensions: SREG

- In Auth request:
`$auth_request->addExtensionArg('sreg',
'required', 'email');`
- In Response:
`$sreg = $response->extensionResponse
('sreg');`

Other Considerations

- Handling registration
 - create local accounts
- Verification of user data
 - Ensuring email address is valid
- Restricting Identity Providers

Demos!

Thank You

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Bryght

<http://www.bryght.com/>

<http://walkah.net/>