Trust & Identity Incubator
SimpleSAMLPhp  OIDC OP module

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SimpleSAMLphp (SSP) is a commonly used software product for both SP and IdP deployments in Research and Education.

SSP is extensible through a module system.

SSP has modules to authenticate user for CAS protocol and ws-fed.

Project goal is to add an OIDC OpenID Provider module to SSP.
University of Cordoba & RedIRIS (Spanish NREN) had done some work on a module.

Supports basic flow, but not yet conformant to the spec.

Module used in production by Srce (University Computing Centre Zagreb) and others.

Allows mapping of SAML attributes to OIDC Claims

Allows custom scopes and claims
Goals

- Pass conformance tests
- Add implicit flow support
- Allow entitled users to register OIDC clients
- Add F-TICKS support
- Automated testing
## Conformance Tests

**May**

<table>
<thead>
<tr>
<th>Name</th>
<th>Variant</th>
<th>Description</th>
<th>Started</th>
<th>Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>oidcc-basic-certification-test-plan</td>
<td>discovery, static_client</td>
<td>oidc-provider OIDC</td>
<td>9/20/2021, 2:59:19 PM</td>
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**Now!**

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<td>9/16/2021, 4:41:16 PM</td>
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Green = pass, Black = fail, Orange = warning, Blue = needs manual verification
Conformance Tests

Conformance tests (and unit tests) are run for every pull request
Improvements

OIDC
- Authentication Context request
- Support for individual claim requests
- Support bool, int and json object claim types
- Error message improvements

UI
- Pagination of clients
- Authorized user self-management

Security
- Invalidate tokens if auth code is re-used
- Various dependency updates
Accomplishments

- Passing Basic and Implicit Conformance Tests
- Project moved to https://github.com/simplesamlphp/simplesamlphp-module-oidc
- FTICKs
- Authorized users can get register clients
- Docker image for testing
- Compatible with SSP’s “newui” option enabled
Thank you

Any questions?

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