

AB / Connect

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Working Group Highlights Since Last Workshop in April

- OpenID Federation Interop Event at SUNET in Stockholm, April 2025
 - <https://openid.net/the-openid-federation-interoperability-event/>
- OpenID Federation updated to address issues from interop, Swedish gov.
- First Implementer's Draft of OpenID Connect RP Metadata Choices
 - Then updated to use `token_endpoint_auth_methods_supported`
- Second Implementer's Draft of Native SSO for Mobile Apps
- OpenID Connect Claims Aggregation updated to remove overlap w/ OpenID4VC
- OpenID Federation Extended Subordinate Listing updated
- OpenID Provider Commands updated
- OpenID Connect Enterprise Extensions adopted
- OpenID Connect Ephemeral Subject Identifier adopted
- OpenID Connect Key Binding adopted

OpenID Federation Interop Event

- April 28-30, 2025 in Stockholm at SUNET
 - Also hybrid participation
- By the numbers:
 - 30 participants from 15 countries
 - 14 implementations
- Cross-matrix interop testing among participants for 8 classes of tests
- Tested initial certification tests for OpenID Federation
- Determined resolutions for open issues
- Updated spec accordingly



OpenID Federation

- https://openid.net/specs/openid-federation-1_0.html
- Enables trust establishment for multilateral federations
- -43 incorporated decisions made as a result of the interop event
- -44 addressed issues identified for Swedish government use case deployments
- Planning to finish 1.0 this year
- 1.1 is planned to be equivalent to 1.0 but to break non-core functionality into separate specification(s)
 - OpenID Connect Automatic and Explicit registration methods
- A 2.0 is planned to incorporate extensions that are being used in practice

OpenID Connect Relying Party Metadata Choices

- https://openid.net/specs/openid-connect-rp-metadata-choices-1_0.html
- Enables RPs to express a set of supported values for some RP metadata parameters, rather than just single values
- First Implementer's Draft approved in July
- Updated since to use `token_endpoint_auth_methods_supported` for all Authorization Server endpoints

OpenID Connect Native SSO for Mobile Apps

- https://openid.net/specs/openid-connect-native-sso-1_0.html
- Second Implementer's Draft approved this month (October 2025)
- Updates being considered to replace reuse of ID Token
- Please discuss during IIW

OpenID Connect Claims Aggregation

- https://openid.net/specs/openid-connect-claims-aggregation-1_0.html
- Updated in May to remove functional overlap with OpenID4VC specs
- Reviews wanted
- Please discuss at IIW

OpenID Federation Extended Subordinate Listing

- https://openid.net/specs/openid-federation-extended-listing-1_0.html
- Extends OpenID Federation to provide efficient methods to interact with a potentially large number of registered Entities
- Motivated by open finance use cases in Australia, etc.
- Implementations and feedback wanted!

OpenID Provider Commands

- https://openid.net/specs/openid-provider-commands-1_0.html
- Complements OpenID Connect by introducing a set of Commands for an OP to directly manage an end-user Account at an RP
- Updated to incorporate WG feedback since adoption in March 2025

OpenID Connect Enterprise Extensions

- https://openid.net/specs/openid-connect-enterprise-extensions-1_0.html
- Specifies a number of common or desirable extensions to OpenID Connect
- Updated per working group feedback since adoption in June 2025

OpenID Connect Ephemeral Subject Identifier

- https://openid.net/specs/openid-connect-ephemeral-subject-identifier-1_0.html
- Specifies an ephemeral subject identifier type that prevents correlation of the subject identifier across multiple visits
- Adopted in June 2025
- Reviews requested

OpenID Connect Key Binding

- Current repository <https://github.com/dickhardt/openid-key-binding>
 - Rendered at <https://dickhardt.github.io/openid-key-binding/main.html>
- Specifies how to bind a public key to an OpenID Connect ID Token
- Adopted October 2025
- Publication to openid.net/specs/ expected this week

OpenID Connect Core

- Third Errata Set work under way
- Draft with fix to audience vulnerability published
 - https://openid.net/specs/openid-connect-core-1_0-36.html
- It makes sense to wait for OAuth spec updates before publishing errata
- OAuth updates being made by
 - <https://datatracker.ietf.org/doc/draft-ietf-oauth-rfc7523bis/>
 - Changes being made to reduce its scope
- Other minor errata corrections also merged
- Intent to publish result as “OpenID Connect Core 1.0 incorporating errata set 3”

Inactive Specifications

- Two adopted specs appear to not be being actively worked on
 - OpenID Connect UserInfo Verifiable Credentials
 - https://openid.net/specs/openid-connect-userinfo-vc-1_0.html
 - No updates since draft -00 in May 2023
 - Self-Issued OpenID Provider v2
 - https://openid.net/specs/openid-connect-self-issued-v2-1_0.html
 - No updates since draft -13 in November 2023
- *Should either of these be marked as being discontinued?*

Bonus Update – Enhanced Authentication Profile (EAP) WG

- EAP Working Group
 - <https://openid.net/wg/eap/>
- OpenID Connect Extended Authentication Profile (EAP) ACR Values
 - https://openid.net/specs/openid-connect-eap-acr-values-1_0-final.html
 - Defines ACR and AMR values for phishing-resistant authentication
 - Became final in June 2025
- Working group closed in June 2025 after that

Your Turn!

- What would you like the OpenID Connect working group to know?