

@Web Conference
9 April 2025

OAuth SIG Community 22nd Meeting (67th from ex-FAPI-SIG)

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Community Event

KeycloakCon Japan

KeyConf 25 Amsterdam

New Support

1. Workload Identity - Transaction Token, SPIFEE

- Specification (IETF Internet Draft in OAuth WG)

<https://datatracker.ietf.org/doc/draft-ietf-oauth-transaction-tokens/>

- Status - Transaction Token: Some SIG members have PoC and would work on it.

<https://github.com/dteleguin/tts-demo>

- Status - SPIFEE: Some IBM staff have PoC and would work on it.

https://github.com/maia-iyer/spire-demos/tree/main/keycloak_token_exchange

2. OAuth 2.0 for First-Party Applications (FiPA)

- Specification (IETF Internet Draft)

<https://www.ietf.org/archive/id/draft-ietf-oauth-first-party-apps-00.html>

- Status: Some SIG members would work on it.

- Discussion:

Support for native login experiences with OAuth 2.0 First-Party Applications ([#25014](#))

Refactoring Authenticators to Support an API-Based Authentication Approach ([#36924](#))

3. Shared Signals Framework (SSF)

■ Motivation

Some major platform vendors supported/required it:

- Apple Business Manager, Apple School Manager
- Google Cross-Account Protection (RISC)

■ Adopters

A lot (Cisco, Okta, etc.), but not officially announced (maybe SSF is for internal use?)

■ Specification (Implementer's Draft)

- SSF: https://openid.net/specs/openid-sharedsignals-framework-1_0-ID3.html
- CAEP: https://openid.net/specs/openid-caep-interoperability-profile-1_0-ID1.html
- RISC: https://openid.net/specs/openid-risc-profile-specification-1_0.html

■ Discussion: Support RISC and CAEP events / Shared Signals and Events (#14217)

Some SIG members are working on it.

- PoC for a receiver: <https://github.com/identitytailor/keycloak-ssf-support>

4. OpenID Federation 1.0

■ Motivation

- Enabling automatic client Registration within the European ecosystem: Payment Service Directive (PSD), Payment Services Regulation (PSR), Financial Data Access (FIDA)
- In research & education field, eduGAIN's OpenID Federation profile support.
- Adopters: Italy's digital identity system (SPID),
Greece's academic network (GRNET) in the future?

■ Specification (Implementer's Draft)

https://openid.net/specs/openid-federation-1_0.html

■ Discussion: Support for OpenID Federation 1.0 ([#31027](#))

Some SIG members are working on it.

- prepared an intermediate authority and trust anchor
- confirmed that a client can be registered to Keycloak by its trust chain.
- an article about it will be posted in Medium soon.

Refinement

1. OpenID Verifiable Credentials Issuance (OID4VCI)

- Goal: Keycloak can work as an issuer of VCs. (currently it is an **experimental** feature)

- Status: In progress

- Possible use-cases: German National EUDI Wallet

<https://bmi.usercontent.opencode.de/eudi-wallet/eidas2/en/start/>

- Epic issue: [OID4VCI] Approaching Credential Scope based API design ([#32961](#))

Status: 8 out of all 8 issues were resolved. (+2 resolved, 100%)

Current other open issues:

- Limit Client capabilities to OpenID Connect or OpenID4VCI ([#32967](#), no PR)
- Extend AbstractOIDCProtocolMapper for credentials ([#32957](#), PR merged [#37687](#))

- Discussion: OpenID for Verifiable Credential Issuance ([#17616](#))

- Design: <https://github.com/keycloak/keycloak-community/blob/main/design/OID4VCI.md>

- Guide: [adorsys/keycloak-ssi-deployment](#)

2. Token Exchange

- Goal: Officially supported (currently it is a **preview** feature)
- Status: **Completed**
- Epic issue: Support for standard Token-Exchange ([#31546](#))
- Status:
 - Standard (internal - internal): KC 26.2 (Apr)
 - 34 out of 34 issues were resolved (+0 issue added, +1 newly resolved, 100.0%)

2. Token Exchange

- Goal: Officially supported (currently it is a **preview** feature)

- Status: In progress

- Epic issue: Federated token exchange ([#38335](#))

- Status:

Federated (internal - external / external - internal): KC 26.4 (Sep/Oct) or later?

2 out of 14 issues were resolved (+1 issue added, +1 newly resolved, 14.0%)

Documentation:

https://docs.google.com/document/d/1T_4hjf0tapLAC5Hpac8wNiEHcrAmYZDQGpj3JRJ2MBI

- Discussion: Token-Exchange Use-cases ([#26502](#))

3. Demonstrating Proof-of-Possession (DPoP)

- Goal: Officially supported (currently it is a **preview** feature since KC 23)
- Status: In progress
- Epic issue: DPoP: promote from preview to supported ([#22311](#))

Status: 9 of 12 issues were resolved (+1 issue added, +2 newly resolved, 75%)

Need urgent consideration:

DPoP: Refresh token created with DPoP can be refreshed without proof

([#36475](#) PR merged [#38136](#))

DPoP: User Info Endpoint authorization type mismatch ([#36476](#) PR merged [#36476](#))

4. Passkeys (Multi-Device FIDO Credentials)

- Goal: Officially supported (currently it is a **preview** feature since KC 23)
- Status: In progress
- Discussion: Support for passkeys ([#16201](#))
- Epic Issue: **10** of 14 issues were resolved ([#23656](#), **+2 resolved, 71%**)
- Resources
 - FIDO Alliance : <https://fidoalliance.org/white-paper-multi-device-fido-credentials/>
 - Apple : <https://developer.apple.com/passkeys/>
 - Google : <https://developers.google.com/identity/passkeys/>
 - passkeys.dev : <https://passkeys.dev/>
 - passkeys.io : <https://www.passkeys.io/>
 - passkeys futures detection: <https://featuredetect.passkeys.dev/>

5. FAPI 2.0

The final version of FAPI 2.0 Security Profile was published in Feb 2025.

https://openid.net/specs/fapi-security-profile-2_0-final.html

The current (since KC23) Keycloak's FAPI 2.0 support is for its implementer's draft version 2.

https://openid.net/specs/fapi-2_0-security-profile-ID2.html

https://www.keycloak.org/docs/latest/release_notes/index.html#fapi-2-drafts-support

Need to follow the final version.

■ Epic Issue: FAPI 2.0 Security Profile final version support ([#38749](#))

Community Event

Events

2025

April



1 - 4 KubeCon + CloudNativeCon Europe 2025 (ExCel London, London, United Kingdom)
- Keycloak session in Maintainer Track

June



13 KeycloakCon Japan 2025 (Hilton Odaiba Hotel, Tokyo, Japan)



16 - 17 KubeCon + CloudNativeCon Japan 2025 (Hilton Odaiba Hotel, Tokyo, Japan)
- Keycloak session in Maintainer Track

August




25 - 27 Open Source Summit Europe 2025 (RAI Amsterdam Convention Centre, Amsterdam, Netherlands)



28 KeyConf 25 (Van der Valk Hotel Amsterdam Zuidas - RAI, Amsterdam, Netherlands)

KeycloakCon Japan

- Date: 13 June 2025, 1:00 - 8:00 PM (just before KubeCon Japan 2025, Tokyo, Japan)
- Venue: Hilton Tokyo Odaiba (Tokyo, Japan) 


As CNCF-hosted co-located event of KubeCon + CloudNativeCon Japan 2025.

- Web Site: <https://events.linuxfoundation.org/keycloakcon-japan/>
- Registration: Open. This event is free to attend.
- CfP: Open.

Note:

- Originally, the event named “KeyConf Japan” would be hosted by Cloud Native Security Japan (CNSJ), under CNCF Japan Chapter, CNCF takes over the event named “KeycloakCon”.
- The CfPs that were already submitted to “KeyConf Japan” were taken over to “Keycloak Con”.

KeyConf 25

- Date: 28 August 2025 (just after OSS Summit Europe 2025, Amsterdam, Netherlands)
- Venue: Van der Valk Hotel Amsterdam Zuidas - RAI, Amsterdam, Netherlands 

Web Site: <https://keyconf.dev/>

Registration: Not open yet.

CfP: Open.

Discussion Items:

How about holding a BarCamp on 29 August just after KeyConf 25?

Attendee: up to 20 people expected.

in KeycloakDevDay, only speakers and maintainers can participate.

Venue: Backbase HQ?



END