@Web Conference

3 July 2024

OAuth SIG Community 13th Meeting

(58th from ex-FAPI-SIG)

PROPOSED DRAFT

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Community Event

Keyconf 24

PROPOSED DRAFT

Ongoing working items of security features

OpenID Connect for Verifiable Credentials (OID4VCs)

- Goal: Keycloak can work as an issuer of VCs.
  - Phase 1: supported as an experimental feature Completed by KC 25
  - Phase 2: supported as a preview feature In Progress
  - Phase 3: supported officially
- Epic issue : Support OpenID for Verifiable Credentials(OID4VC)
  - https://github.com/keycloak/keycloak/issues/25936
- Status: 22 out of all 21 issues were resolved. (+5 new issues, +4 resolved)
- Discussion: OpenID for Verifiable Credential Issuance
  - https://github.com/keycloak/keycloak/discussions/17616
- Design: OpenID Verifiable for Credential Issuance
  - https://github.com/keycloak/keycloak-community/blob/main/design/OID4VCI.md
- Breakout sessions

No sessions.

Passkeys (Multi-Device FIDO Credentials)

Nothing Progress

- Status: Goal: Officially supported (currently it is a preview feature)
- Status: In progress

  Keycloak 23 start supporting passkeys as a preview feature.
- Discussion
  - https://github.com/keycloak/keycloak/discussions/16201
- Epic Issue
  - https://github.com/keycloak/keycloak/issues/23656

  6 of 11issues were resolved, 1 PR was merged.
- 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/

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DPoP

In Progress

- Goal: Officially supported (currently it is a preview feature)
- Status: In progress
- Follow-up Epic
  - https://github.com/keycloak/keycloak/issues/22311

  0 of 3 issues were resolved.

- [DPoP] token_type on UserInfoEndpoint expects Bearer instead of DPoP
  - Issue: https://github.com/keycloak/keycloak/issues/30181
  - PR: https://github.com/keycloak/keycloak/pull/29967

PR Sent

- Support DPoP dynamically for all grant-types
  - Issue: https://github.com/keycloak/keycloak/issues/30179
  - PR: https://github.com/keycloak/keycloak/pull/29967

PROPOSED DRAFT

Token Exchange

In Progress

- Goal: Officially supported (currently it is a preview feature)
- Status: In progress
- Discussion: When token-exchange will become productive feature from preview feature
  - https://github.com/keycloak/keycloak/discussions/23937
  - https://github.com/keycloak/keycloak/discussions/26502 (gathering use-cases) Updated!
- Concerns
  - Authorization: Fine-grained authorization is used, and it is a preview feature

    ➡ How about implementing a SPI provider for authorization?
    - implementing a SPI provider for authorization
    - implementing a provider for fine-grained authorization
    - implementing a provider for some authorization scheme officially supported (client policy?)
- Resources:
  - Specification: RFC 8693 OAuth 2.0 Token Exchange
  - Keycloak's implementation
    - https://www.keycloak.org/docs/latest/securing_apps/index.html#_token-exchange

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OpenID Connect for Identity Assurance 1.0 (OIDC4IDA) Nothing Progress

- Status: In progress

  Waiting for discussion and review.
- Specification
  - OpenID Connect for Identity Assurance 1.0 Draft

    https://openid.net/specs/openid-connect-4-identity-assurance-1_0.html
- Discussion
  - Support for OIDC extensions: OIDC4IDA

    https://github.com/keycloak/keycloak/discussions/21270
- Implementation
  - implement oidc4ida Draft PR sent

    Draft PR: https://github.com/keycloak/keycloak/pull/21309

Proposal

OpenID Connect Native SSO for Mobile Apps 1.0

- Overview:

SSO in mobile apps: Share user authentication information among mobile applications installed on the same device.

Current BCP recommends to use a session cookie on a system browser, but some problems:

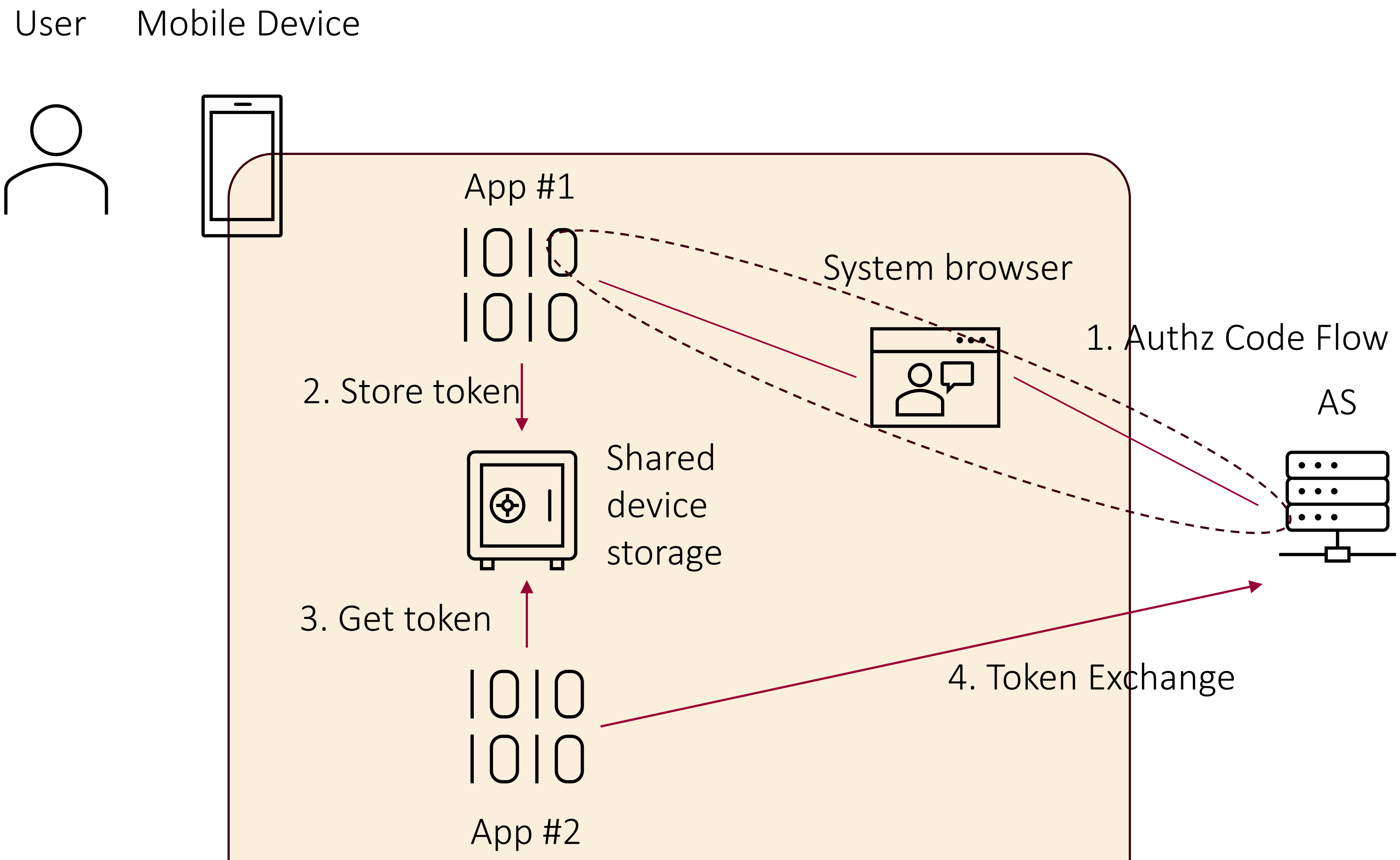
- The session cookie could be deleted by a user.
- The session cookie could not be shared if a user uses private browsing.

To avoid using the session cookie, use token exchange.

It could be one of use-cases of Token Exchange.

- Specification (Implementer's Draft)
  - https://openid.net/specs/openid-connect-native-sso-1_0.html

OpenID Connect Native SSO for Mobile Apps 1.0



PROPOSED DRAFT

Community Event

Keyconf 24 **Tickets sold out!**

- Date and Time: 10 AM to 4 PM, September 19th Thursday
- Venue: ARCOTEL Kaiserwasser, Vienna/Austria 🇦🇹
- Web-site (registration) : https://www.eventbrite.de/e/keyconf24-tickets-887467387847
- CfP
  - Form: https://forms.office.com/e/pgBuPzbgqP
  - Schedule:

    CfP Closes: 31 July

    CfP Notifications: 19 August

END