

@Web Conference  
10<sup>th</sup> April 2024

# OAuth SIG OID4VC Breakout 14<sup>th</sup> Session

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# Issues / Pull Requests

## ■ Main Issue

➤ <https://github.com/keycloak/keycloak/issues/25936>

- [!\[\]\(0551a83d441798e532995956b603f604\_img.jpg\) Create SPI and Provider for Verifiable Credentials Signing #25937](#)
- [!\[\]\(54ee180c0037b66a36ce2219a481afde\_img.jpg\) Support Credentials Issuance through the OID4VCI Protocol #25940](#)
- [!\[\]\(73ae654e8897db9b21f1bf9d9efc07ef\_img.jpg\) Issue Verifiable Credentials in the JWT-VC format #25941](#)
- [!\[\]\(278ecf8622de254ce2917d264729f4b0\_img.jpg\) Issue Verifiable Credentials in the SD-JWT-VC format #25942](#)
- [!\[\]\(3b5d74d5eba68301b1a5c22417b6b52c\_img.jpg\) Issue Verifiable Credentials in the VCDM format #25943](#)
- [!\[\]\(95826e66cf958c3135662f918c38faf5\_img.jpg\) Extend Account Console to support Credentials Issuance Self-Service #25945](#)
- [!\[\]\(5561815f7b3c21cd4837848c1b3a53b8\_img.jpg\) Support Authorization Code Flow for VC Issuance #26328](#)
- [!\[\]\(07e9f8bb2d9a8e0c79a2191f366ec50f\_img.jpg\) Keycloak native implementation of SD-JWT #25638](#)
- [!\[\]\(52e0a18eb8718406aa94c7ba9d56e87c\_img.jpg\) Support EC Key-Imports for the JavaKeystoreKeyProvider #26936](#)

## ■ Merged Pull Request:

- Open Pull Request: Support Credentials Issuance through the OID4VCI Protocol #25940

## ■ Authorization Code Flow for VC Issuance #26328

- *Hitachi would like to break this issue into two sub-issues*
- *VC issuance in Authz Code flow without considering “scope” parameter*
  - *issuing pre-determined Credential Type (not considering value of scope param)*
- *VC issuance in Authz Code flow with considering “scope” parameter*
  - *for types not defines in OID4VC, need to map scope param to credential type*
  - *A holder requests an issuer (Keycloak) for its credential issuer metadata.*
  - *This credential issuer metadata includes credential\_configurations\_supported parameter, which includes credential\_configuration\_id(s).*
  - *The holder pick up one of value of credential\_configuration\_id(s), and put it onto a scope parameter of an authorization code request.*
  - *On receiving the authorization code request, the issuer (Keycloak) prepare a verifiable credentials in a format and type which a value of scope parameter (namely, credential\_configuration\_id indicates)*
- *Flour opened for discussion*

# Issues / Pull Requests

## ■ Scope of RAR

➤ <https://github.com/keycloak/keycloak/issues/9225>

- [✔ Let users configure Dynamic Client Scopes #9222](#)
- [✔ Create an internal representation of RAR that also handles Static and Dynamic Client Scopes #9223](#)
- [✔ Handle Dynamic Scopes correctly in the consent screen #9224](#)
- [⦿ Store the Dynamic Scope parameter to avoid showing the Consent Screen every time there's an authentication #9686](#)
- [✔ Figure out why the tests of DynamicScopesRARParseTest fail on Wildfly and Quarkus and reenale them #9835](#)
- [✔ Restrict Dynamic Scopes to optional Client Scopes #9750](#)
- [✔ Implement the Dynamic Scopes parsing for the resource-owner-password-credentials grant. #9919](#)
- [✔ Make Token Mappers attached to Dynamic Scopes execute with the static scopes' #9941](#)

# Issues / Pull Requests

- Keycloak as Verifier
  - *Any federation use case?*
  - *Any Token Exchange use case?*

# Roadmap

- Apr 2024
- May 2024

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