

@Web Conference  
27<sup>th</sup> March 2024

# OAuth SIG OID4VC Breakout 13<sup>th</sup> Session

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# Issues / Pull Requests

## ■ Main Issue

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

-  [Create SPI and Provider for Verifiable Credentials Signing #25937](#)
-  [Support Credentials Issuance through the OID4VCI Protocol #25940](#)
-  [Issue Verifiable Credentials in the JWT-VC format #25941](#)
-  [Issue Verifiable Credentials in the SD-JWT-VC format #25942](#)
-  [Issue Verifiable Credentials in the VCDM format #25943](#)
-  [Extend Account Console to support Credentials Issuance Self-Service #25945](#)
-  [Support Authorization Code Flow for VC Issuance #26328](#)
-  [Keycloak native implementation of SD-JWT #25638](#)
-  [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

- Mar 2024
- Apr 2024

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