

@Web Conference
28 February 2024

OAuth SIG OID4VC Breakout 10th Session

Table of Contents

Issues & Pull Requests

Roadmap

Open Floor

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: OAuth 2.0 Grant Type SPI #26250

- Open Pull Request: Issue Verifiable Credentials in the SD-JWT-VC format #25942

■ 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*

Roadmap

- Feb 2024
- Mar 2024

Open Floor