OAuth SIG OID4VC Breakout 10th Session

@Web Conference
13 March 2024

PROPOSED DRAFT

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Issues & Pull Requests

Roadmap

Open Floor

PROPOSED DRAFT

- **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:** Issue Verifiable Credentials in the SD-JWT-VC format #25942

- **Open Pull Request:** none

- **Missing for eIDAS2 Wallet Show Case:** Extend Account Console to support Credentials Issuance Self-Service #25945

- 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*

- Scope of PAR

  ➢ *https://github.com/keycloak/keycloak/issues/9225*

- Keycloak as Verifier

  ➢ *Any federation use case?*
  ➢ *Any Token Exchange use case?*

- Mar 2024

- Apr 2024

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