

@Web Conference  
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# FAPI-SIG Community 41<sup>st</sup> Meeting

# Table of Contents

Status: EdDSA support

Proposal (again) : Enlarging a scope of FAPI-SIG and renaming FAPI-SIG

# Status: EdDSA support

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When implementing EdDSA support to Keycloak, one problem arose.

An ideal solution:

- Use JDK standard defining interface (EdECPoint, EdECKey, EdECPublicKey, EdECPrivateKey, EdECPublicKeySpec, EdECPrivateKeySpec).
- Use BoucyCastle defining concrete classes for these interfaces.

Problem:

JDK15 or later defines interface classes for EdDSA, but keycloak supports and runs on JDK11 or later. Therefore, an ideal solution cannot be applied to the current Keycloak.

# Status: EdDSA support

## Options:

1. Use only BouncyCastle defining classes. When Keycloak drops JDK11 and starts supporting JDK17 or later, apply the ideal solution.
2. Wait for Keycloak dropping JDK11 and supporting JDK17, and apply the ideal solution.

## Important point to select an option:

When does Keycloak support and run on JDK 17 and drop JDK 11 officially?

too much late: take option 1

soon: take option 2

Proposal (again) : Enlarging a scope of FAPI-SIG  
and renaming FAPI-SIG

# Proposal (again) : Enlarging a scope of FAPI-SIG

Motivation:

Recently, there is a little we can do to FAPI support because...

- Keycloak already supported Most of FAPI 1.0.
- FAPI 2.0, the next version of FAPI 1.0 is still in draft and It still contains not so much.

How about treating other features that are not directly relevant to FAPI?

# Proposal (again) : Enlarging a scope of FAPI-SIG

There are several topics, market-driven and regulation-driven.

Market-driven:

W3C Solid-OIDC

Regulation-driven:

EU eIDAS 2.0, EU Open Finance

Next generation technology:

Self-sovereign identity (SSI), Decentralized identifiers (DIDs)

- W3C Verifiable credentials
- OpenID Connect for Verifiable Credential Issuance

eKYC (know your customer)

- OpenID Connect for Identity Assurance 1.0



# Proposal : Rename FAPI-SIG

I have already asked the keycloak community (keycloak-dev ml) for new name candidate but had no candidates.

How about the following?

- ask for new names in FAPI-SIG meeting (this meeting and the next meeting?)
- vote for the new name in FAPI-SIG meeting (the meeting in March?)
- start the SIG with the new name (from the meeting in April?)

My candidates:

Security SIG, IAM Security SIG, API Security SIG, Secure Digital Identity SIG

END