

@Web Conference
26 May 2021

FAPI-SIG Community 19th Meeting

Table of Contents

Major Topics

Status Updates from 18th Meeting

Common Security Features

Client Policies

FAPI 1.0

FAPI 2.0

FAPI-CIBA

SPA/Native App

Market Specific Features - PSD2

Working Items Status

Major Topics

Major Topics

- FAPI 1.0
KC14 will support both Final and ID2.
- FAPI 2.0
PR for PAR design document has been merged.
Review of PR for RAR prototype codes is in progress.
Review of PR for RAR design document is still in progress.
Review of PR for Grant Management API design document is still in progress.
Review of PR for Grant Management API prototype codes is in progress.
- FAPI-CIBA
Wait for review : FAPI-CIBA Signed Authentication Request support
Passing conformance test for ID1 started.

Major Topics

- Common Security Features

Review of PR for OIDC Client's Public Key Management 1st phase is in progress.

- Client Policies

Refining client policies for KC14 is still in progress by RH KC dev team.

- SPA/Native App

Review of PR for DPoP design document is still in progress.

- PSD2

Review of PR for MTLS validation extension design document is still in progress.

Review of PR for MTLS validation extension prototype codes is still in progress.

Status Updates from 18th Meeting

Common Security Features

OIDC Client's Public Key Management

In Progress

Make it ease to manage client's public keys of ECDSA and RSASSA-PSS



KEYCLOAK-10462 Improve support for setting keys for OIDC clients

JIRA Ticket: <https://issues.redhat.com/browse/KEYCLOAK-10462>

GH PR: <https://github.com/keycloak/keycloak/pull/7874>

GH PR: <https://github.com/keycloak/keycloak-documentation/pull/1143>

Spec : https://github.com/keycloak/kc-sig-fapi/blob/master/FAPI-SIG/documents/OIDC-Client-Keys/FAPI-SIG-Annex_OIDC_Client_Keys.pdf

Status Updates from 18th Meeting

Client Policies

Client Policies Refinement toward KC14

In Progress

Preset profiles for FAPI

🔥 KEYCLOAK-14208 Client Policy : Pre-set Policies (including FAPI preset policies)

JIRA Ticket: <https://issues.redhat.com/browse/KEYCLOAK-14208>

GH PR: N/A

dev-ml: <https://groups.google.com/g/keycloak-dev/c/Hyzib1Tm3zY>

Status Updates from 18th Meeting

FAPI 1.0

Version Gap : KC vs Conformance Test

Test/KC		FAPI Spec Version	
		FAPI-RW ID2	FAPI 1.0 Advanced Final
FAPI Conformance Suite	release-v4.1.10	X	-
	release-v4.1.11	X	X*
Keycloak	KC12	X	-
	KC13	-	X
	KC14	X	X

* : still in development, released but cannot be used officially for getting FAPI certificate.

In Progress

KEYCLOAK-14208 Default client profiles for FAPI



<https://github.com/keycloak/keycloak/pull/8091>

providing default profiles for both FAPI 1.0 Basic and Advanced Final

-> keycloak's admin need not create these FAPI profiles by themselves

Status Updates from 18th Meeting

FAPI 2.0

Components of FAPI 2.0 Advanced

In Progress

OAuth 2.0 Pushed Authorization Requests (PAR)

✓ Design Document : <https://github.com/keycloak/keycloak-community/pull/255>

🔥 Implementation : (WIP) <https://github.com/tnorimat/keycloak/pull/20>

In Progress

OAuth 2.0 Rich Authorization Requests (RAR)

🔥 Design Document : <https://github.com/keycloak/keycloak-community/pull/266>

- Implementation

In Progress

Grant Management for OAuth 2.0

🔥 Design Document : <https://github.com/keycloak/keycloak-community/pull/265>

🔥 Implementation : (WIP) <https://github.com/tnorimat/keycloak/pull/23>

Status Updates from 18th Meeting

FAPI-CIBA

Upstreaming CIBA Support

[Features]

In Progress

Support signed authentication request



KEYCLOAK-17936 FAPI-CIBA : support Signed Authentication Request

JIRA Ticket: <https://issues.redhat.com/browse/KEYCLOAK-17936>

GH PR: <https://github.com/keycloak/keycloak/pull/8006>

etc ...

[Conformance tests]

In Progress

Pass conformance test for ID1



#65 FAPI-CIBA Conformance Test : Establish the way of running FAPI-CIBA OP poll w/ MTLS and w/ Private Key against CIBA Implementation

GH Issue: <https://github.com/keycloak/kc-sig-fapi/issues/65>

Status Updates from 18th Meeting

SPA/Native App

Holder-of-Key Bound Token in SPA/Native App

In Progress

OAuth 2.0 Demonstrating Proof-of-Possession at the Application Layer (DPoP)



Design Document : <https://github.com/keycloak/keycloak-community/pull/254>

- Implementation

Status Updates from 18th Meeting

Market Specific Features – PSD2

QWACS Verification et al.

In Progress

MTLS Validation Extension (MTLS_Ext)

- 🔥 Design Document : <https://github.com/keycloak/keycloak-community/pull/267>
- 🔥 Implementation : (WIP) <https://github.com/tnorimat/keycloak/pull/21>

Working Items Status

Working Items

[Security Features]

<Common>

In Progress OIDC Client's Public Key Management



● Client Policies

Completed New Admin REST API in JSON Representation



NEW **Completed** Admin Console UI + Refine JSON Representation



<High Level Security>

● FAPI 1.0 (baseline/advanced)

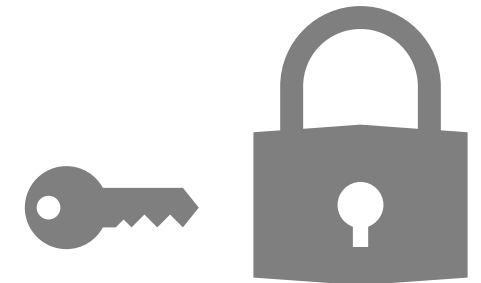
NEW **Completed** Both ID2 and Final version support



In Progress Passing conformance tests for final version



NEW **In Progress** Default client profiles for FAPI



[Security Features]

<High Level Security>

- FAPI 2.0 (baseline/advanced)

In Progress Pushed Authorization Request (PAR)

In Progress Rich Authorization Request (RAR)

In Progress Grant Management API

- FAPI-CIBA

Completed OIDC CIBA

In Progress FAPI-CIBA : Signed Authentication

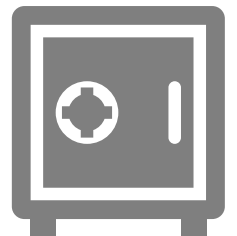
NEW **In Progress** Passing conformance tests for ID1

<SPA/Native App>

In Progress OAuth 2.0 Demonstration of
Proof-of-Possession (DPoP)


PROPOSED DRAFT

Working Items



Working Items

[Market Specific Features]

<PSD2> 

- Following eIDAS regulations

 QWAC verification

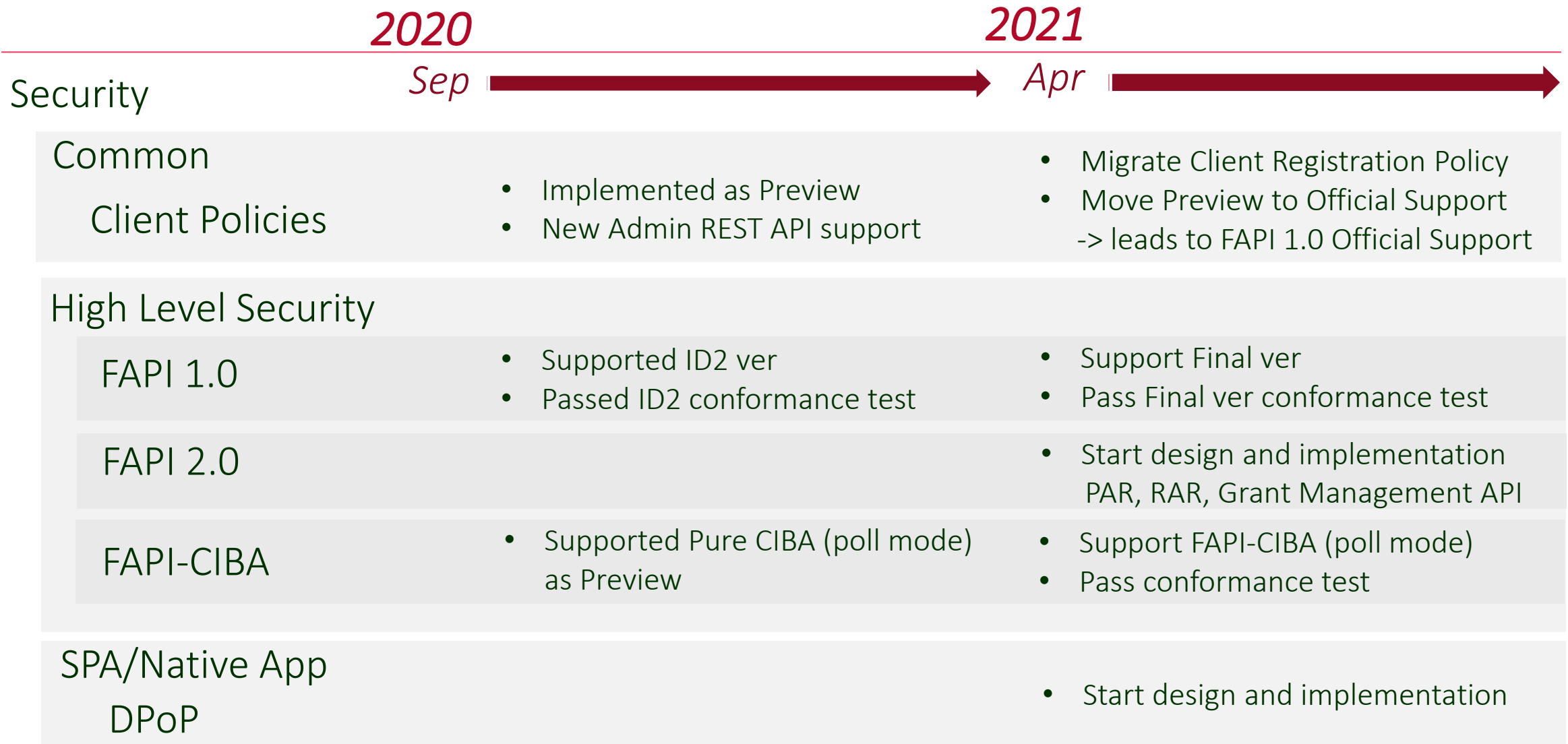


- Consent Management

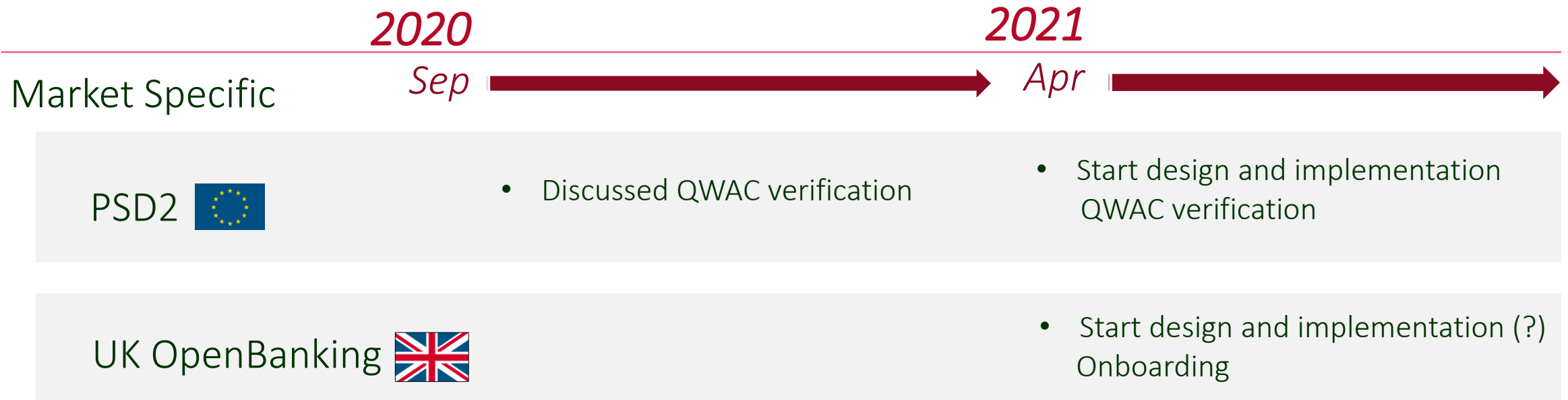
<UK OpenBanking> 

- Onboarding
 - Software Statement Support
 - Software Statement Assertion (SSA) Verification

Roadmap



Roadmap



END