

@Web Conference  
26 May 2021

# FAPI-SIG Community 19<sup>th</sup> Meeting

# Table of Contents

Major Topics

Status Updates from 18<sup>th</sup> 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 1<sup>st</sup> 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 18<sup>th</sup> 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](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 18<sup>th</sup> 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 18<sup>th</sup> 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

Not sure when release-v4.1.11 is released and whether release-v4.1.11 support FAPI 1.0 Advanced Final or not.

**Completed** KC14 will support both FAPI-RW ID2 and FAPI 1.0 Advanced Final

# Status Updates from 18<sup>th</sup> 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 18<sup>th</sup> Meeting

## FAPI-CIBA

# Upstreaming CIBA Support

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>

...

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 18<sup>th</sup> 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 18<sup>th</sup> 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



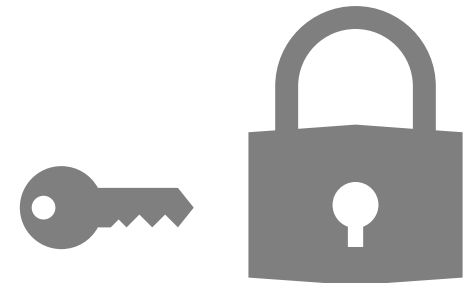
### <High Level Security>

### ● FAPI 1.0 (baseline/advanced)

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



**In Progress** Passing conformance tests for final version



# Working Items

## [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

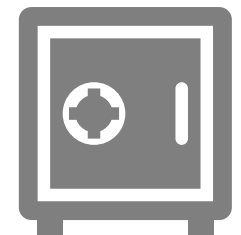
**In Progress** FAPI-CIBA : Signed Authentication

**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

## [Market Specific Features]

<PSD2> 

- Following eIDAS regulations

 QWAC verification



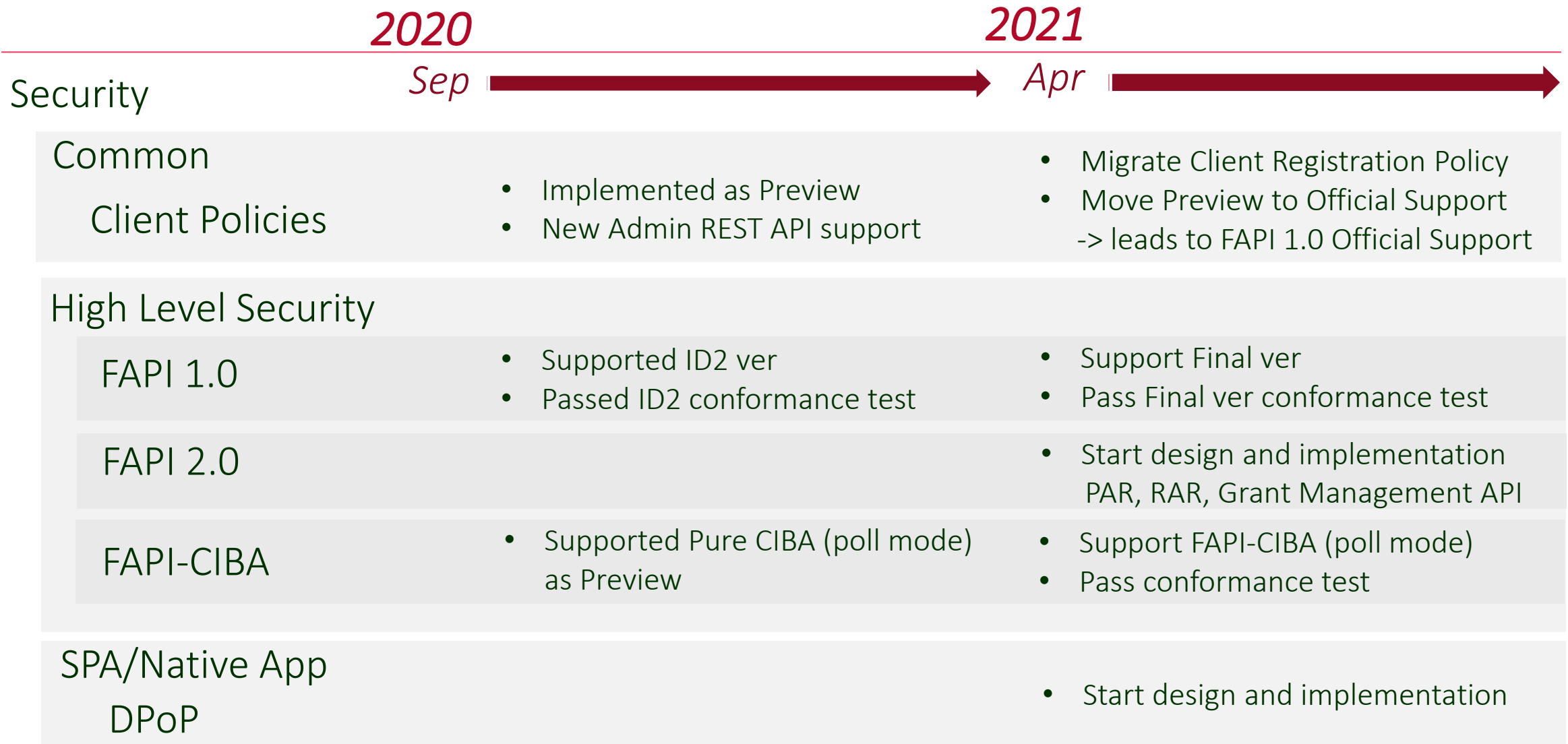
- Consent Management

<UK OpenBanking> 

- Onboarding

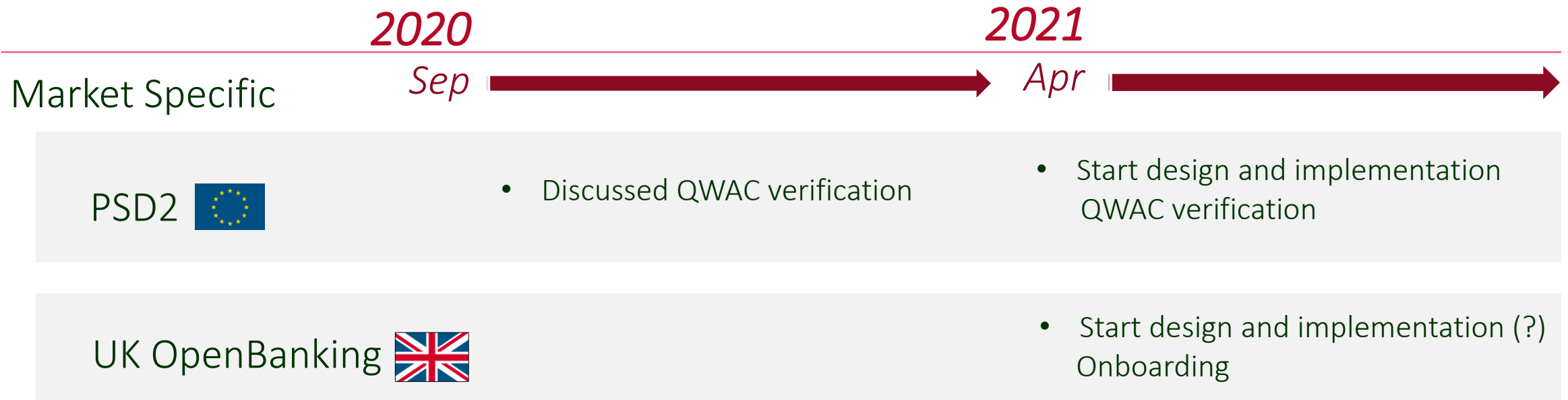
- Software Statement Support
- Software Statement Assertion (SSA) Verification

# Roadmap





# Roadmap



END