

Mojaloop Training Program

In collaboration with



MODUSBOX

#### Goals of talk

Explain new branding - MPP to MTP

Show that the Mojaloop Training Program is a useful resource that has real structure and value and is available to everyone.

Promote Usage of the Program

Show that all community member can contribute - and explain how.



### Why do we need a Training Program?

#### **Build Mojaloop Adoption?**

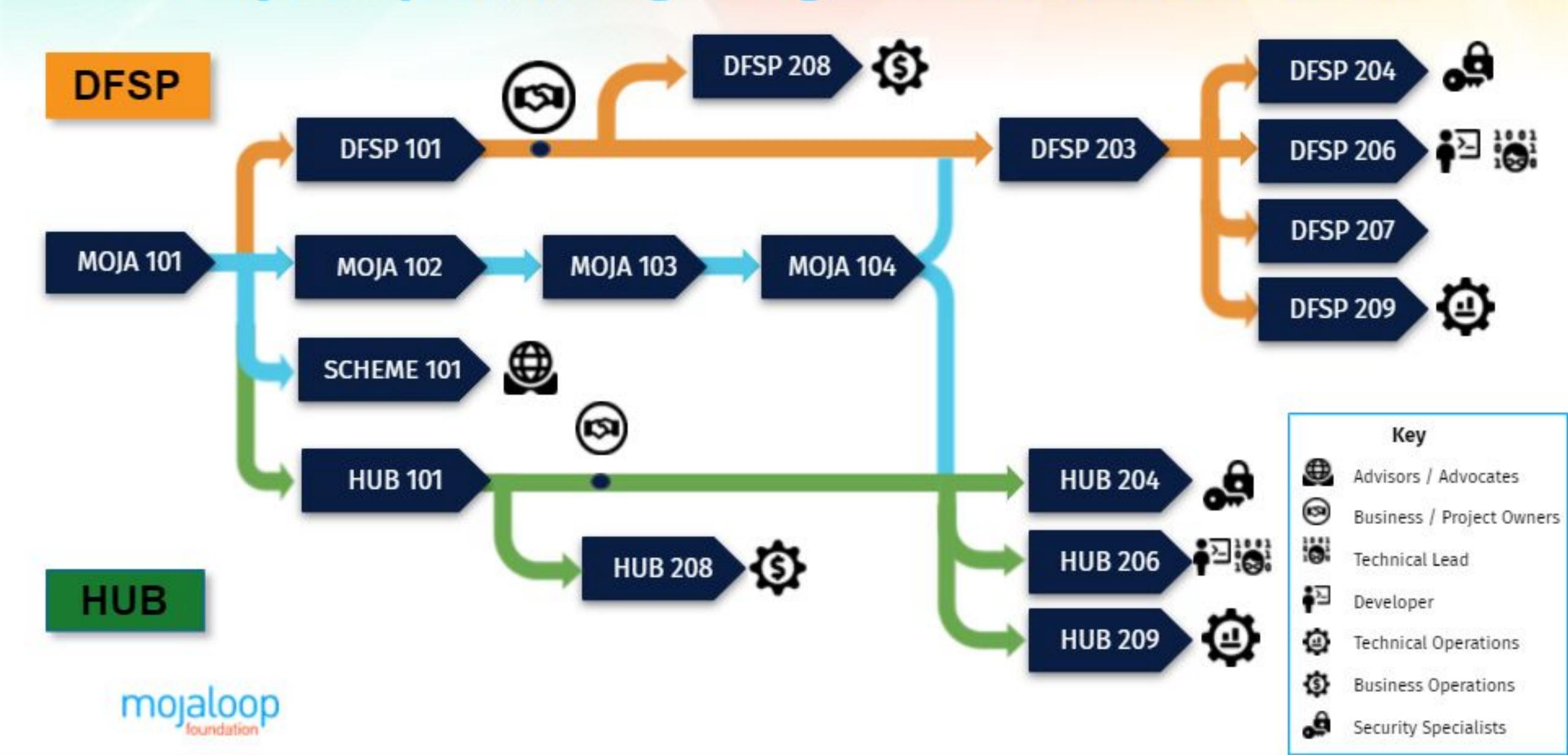
Mojaloop's brilliance is in the details. The more you know about Mojaloop the more you want to be part of the community. Onboarding needs to be easy.

The **Mojaloop Training Program** is designed to explain the ideas of Mojaloop clearly, concisely to build and understanding of Mojaloop with minimal effort.

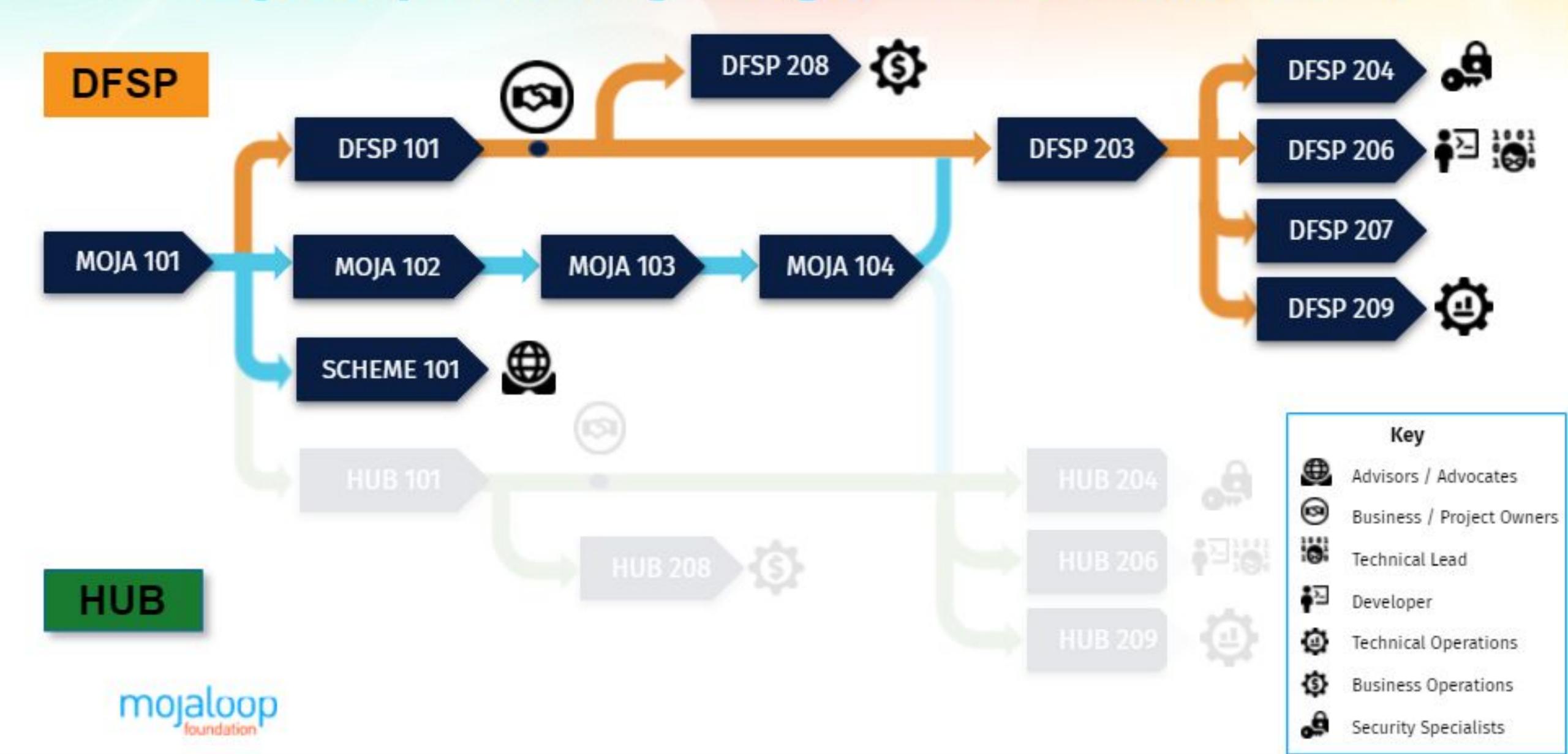
Training Program is designed to support other onboarding initiatives.



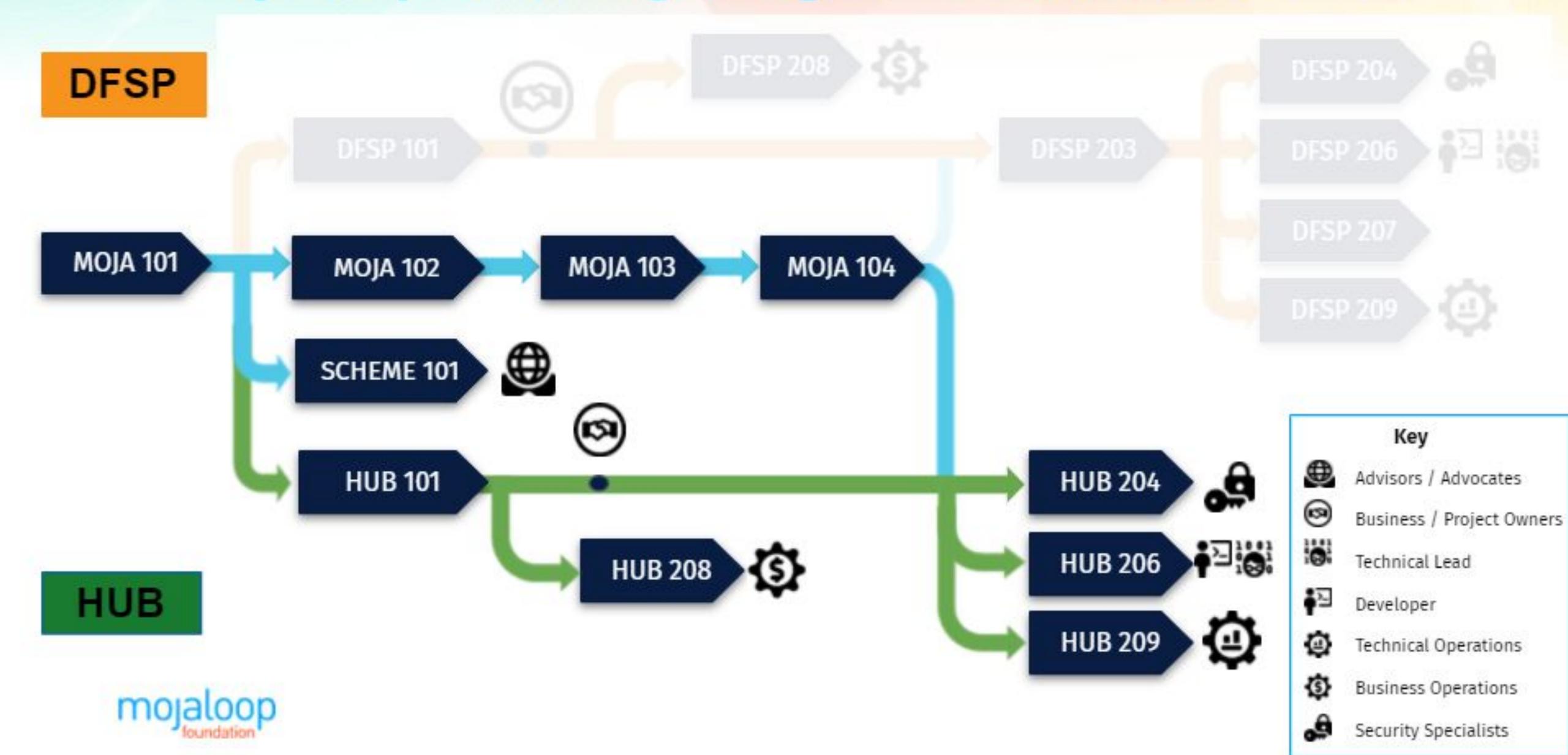
## Mojaloop Training Program - Course Outline



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### How can community contribute?

Who

Organizational Contributors

Individual Contributors

What

**Now** - provide comprehension feedback on existing course content

**Next** - add new courses, update course content with best practices

Why

Community recognition

Build community knowledge Community voting



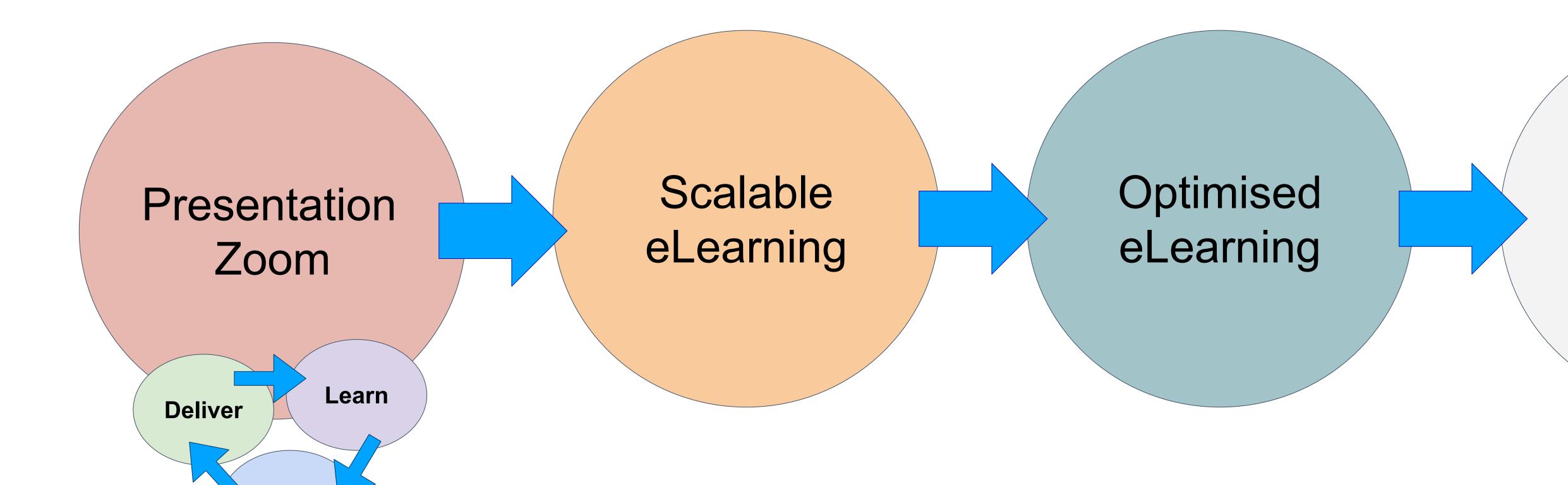
Stay tuned for how...

#### Designing a course

- 1. Description and Goals
- 2. Audience and Prerequisites
- 3. Structure into topics 10 20 minutes long
- 4. Build a storyboard Presentation and collect supportive references and other media



#### Course Development Process







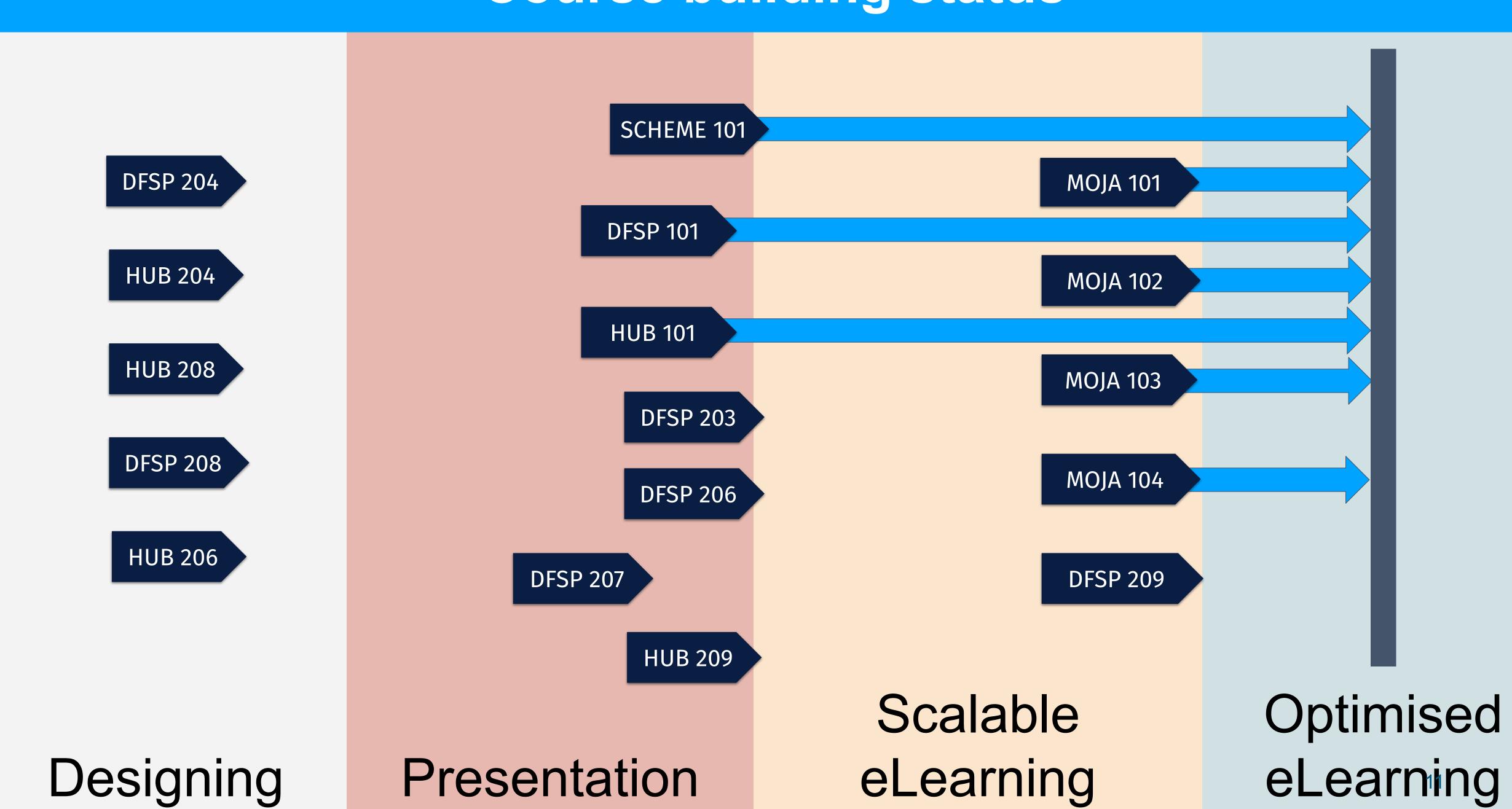




Revise

#### Courses currently available in Scalable eLearning **Mojaloop Overview Technical Overview DFSP 204** i. Real-time payments DFS i. Architecture ii. Financial inclusion ii. Stack **DFSP 206** iii. Level One Principles P 203 iii. Design principles iv. What is Mojaloop? DFSP 207 MOJA 101 MOJA 102 MOJA 103 MOJA 104 **DFSP 209 Mojaloop Security** Key i. Risks Advisors / Advocates Mojaloop API ii. Distributed Security Business / Project Owners i. Use cases ii. Sequence diagrams Technical Lead Developer **HUB 209** Technical Operations **Business Operations** Security Specialists

### Course building status



### How can community contribute?

Who

Organizational Contributors

Individual Contributors

How

Sponsor a Zoom presentation (with feedback)

Develop new courses for areas of particular interest

Join a Course Working Group

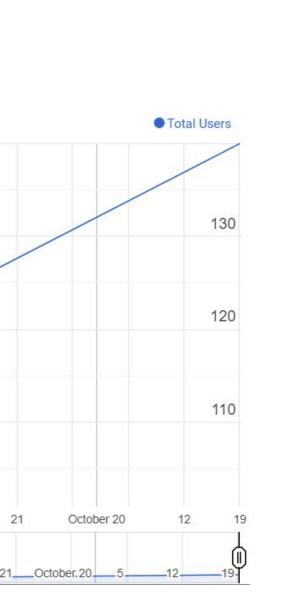
Do online courses and send feedback via the online system

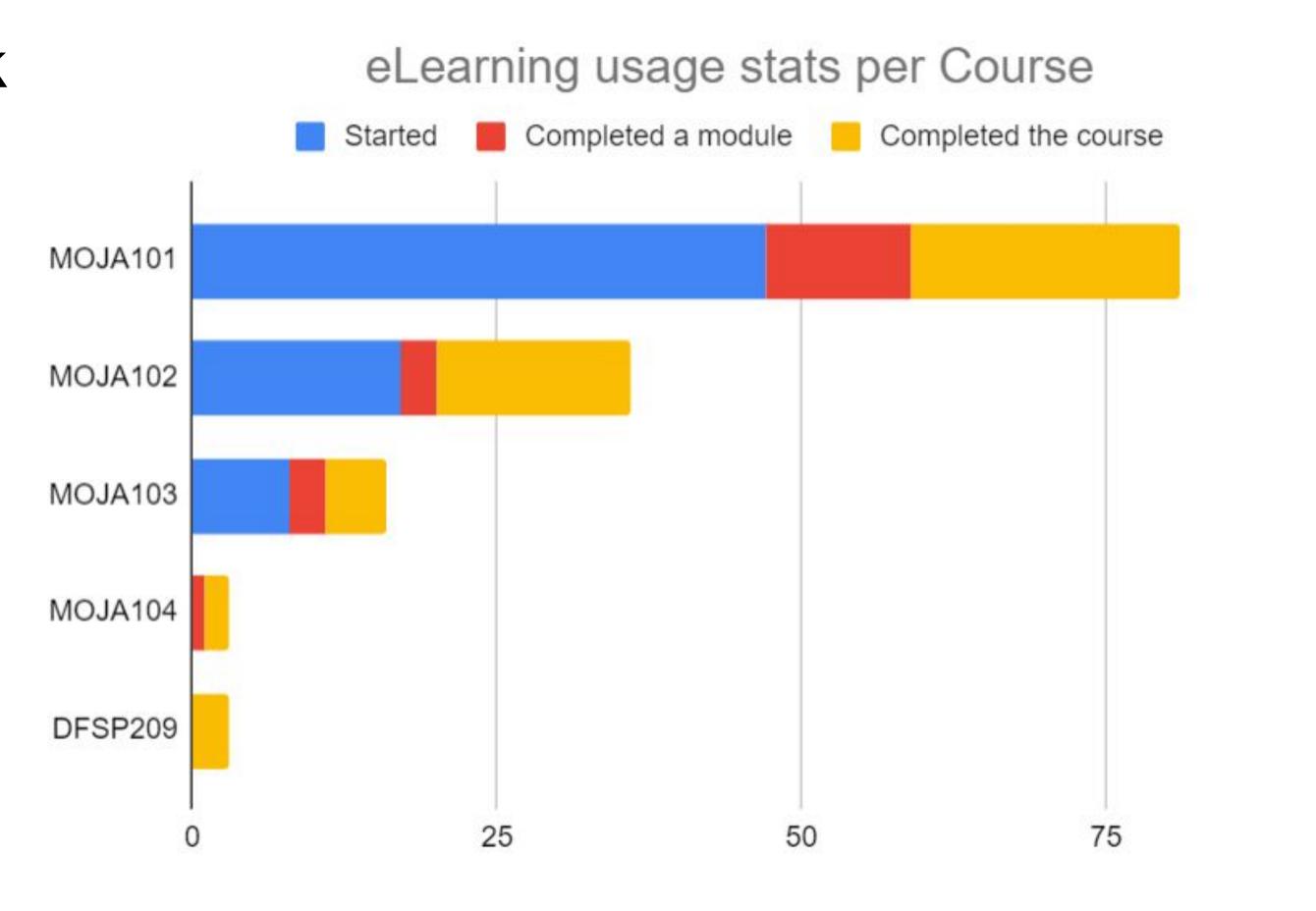


#### **Participation Stats**

Total Users: 140

Increasing at 3 users / week

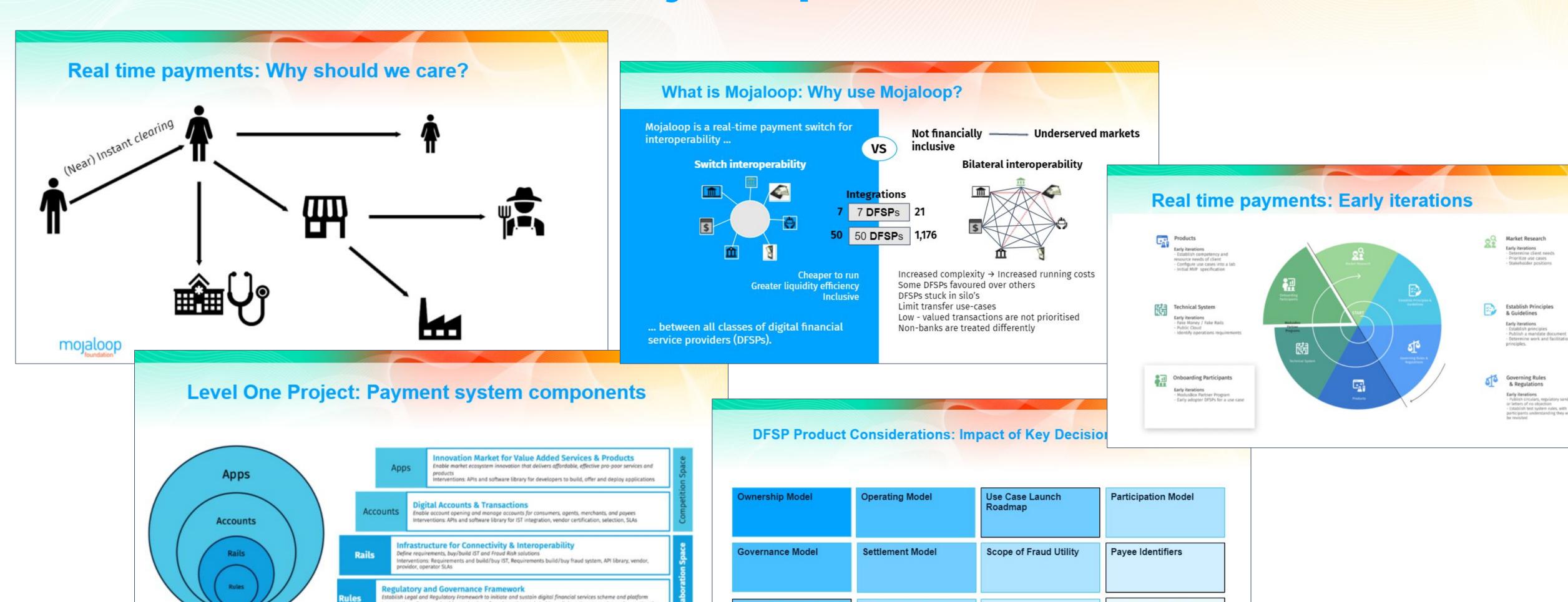






Zoom: 1h 1d 5d 1w 1m 3m 6m 1y max

### MOJA 101 - Mojaloop Overview Teaser



mojaloop

systems



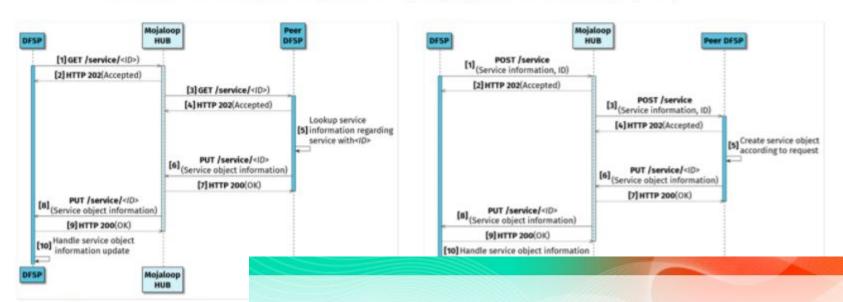
#### MOJA 102 - Mojaloop API and use cases teaser

#### Mojaloop API overview: HTTP methods

- GET Get information about a previously created object
- · POST Create an object

mojaloop

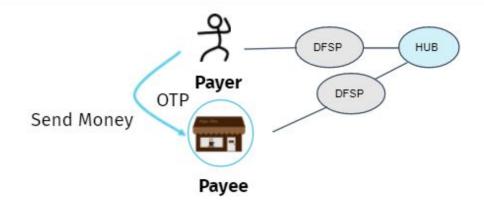
- · PUT Always used as callback to a GET or POST
- **DELETE** Delete a previously created object (**only** for Account Lookup System)



Payee initiated: Merchant-Initiated Merchant Payment -POS

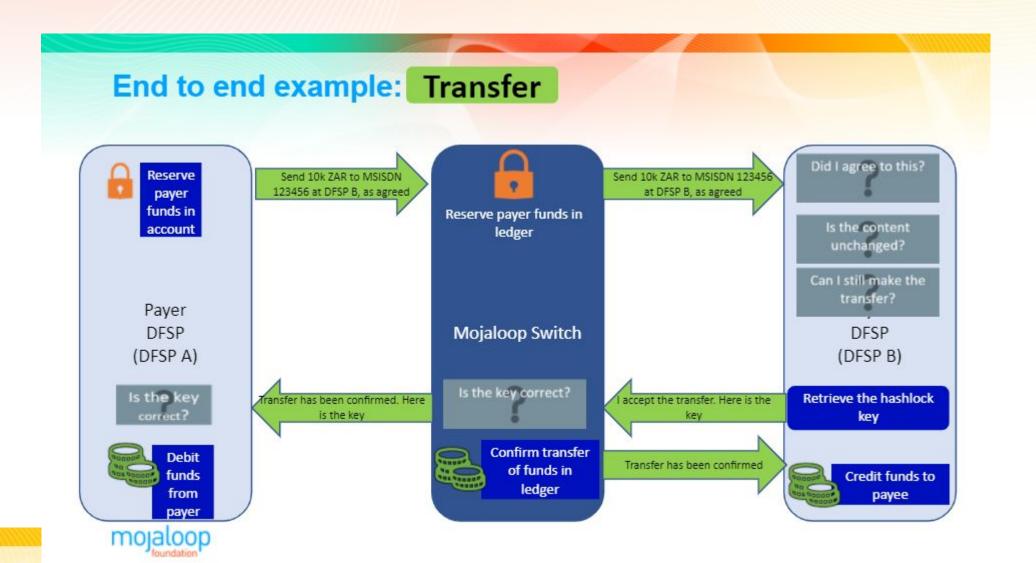
#### **Merchant-Initiated Merchant Payment - Authorized on POS**

In this use case a merchant initiates a request for payment from the customer; the customer reviews the payment request on a merchant device and authorizes the payment by OTP or QR code on the merchant device. The customer authentication information is sent from payee FSP to payer FSP for authentication by payer FSP.

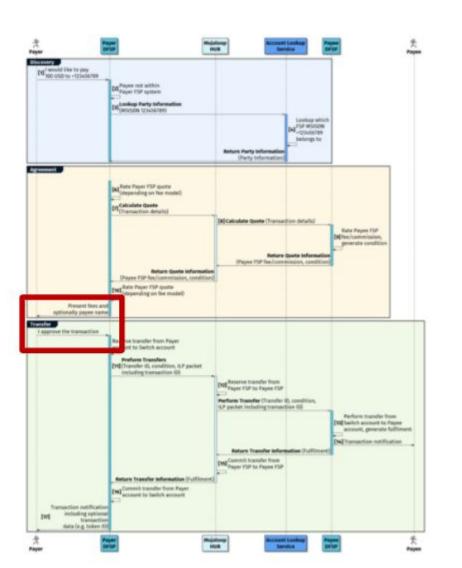


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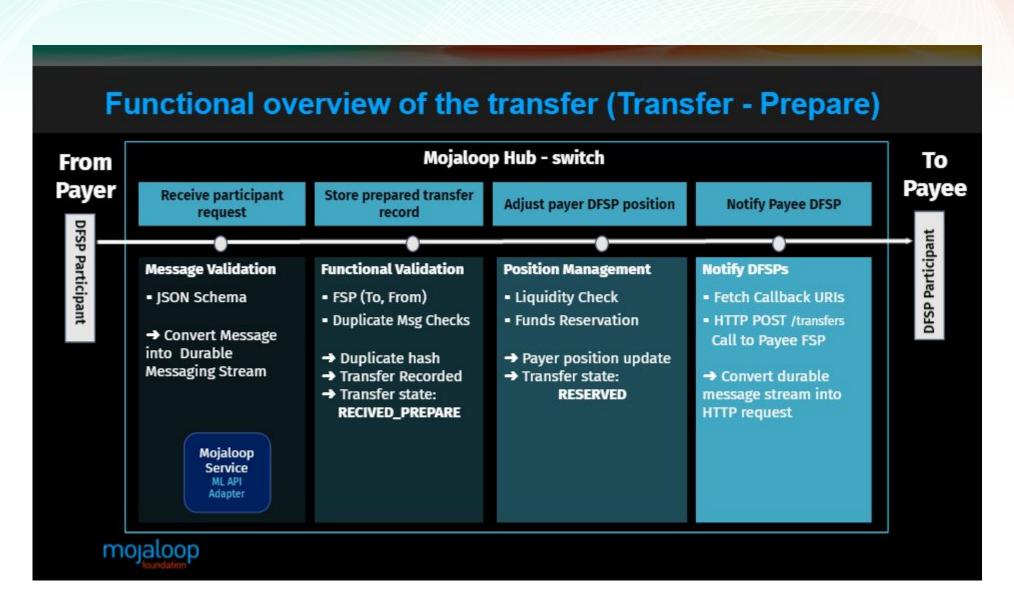


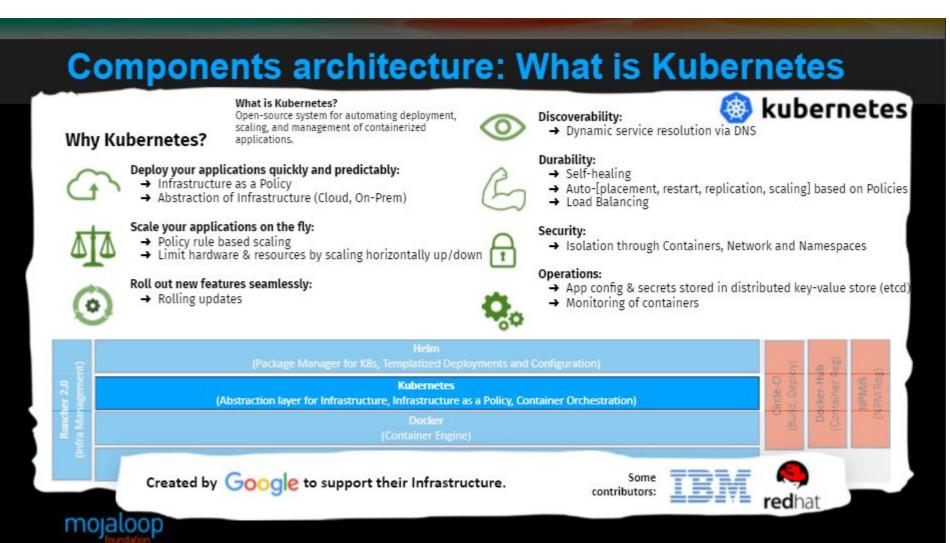


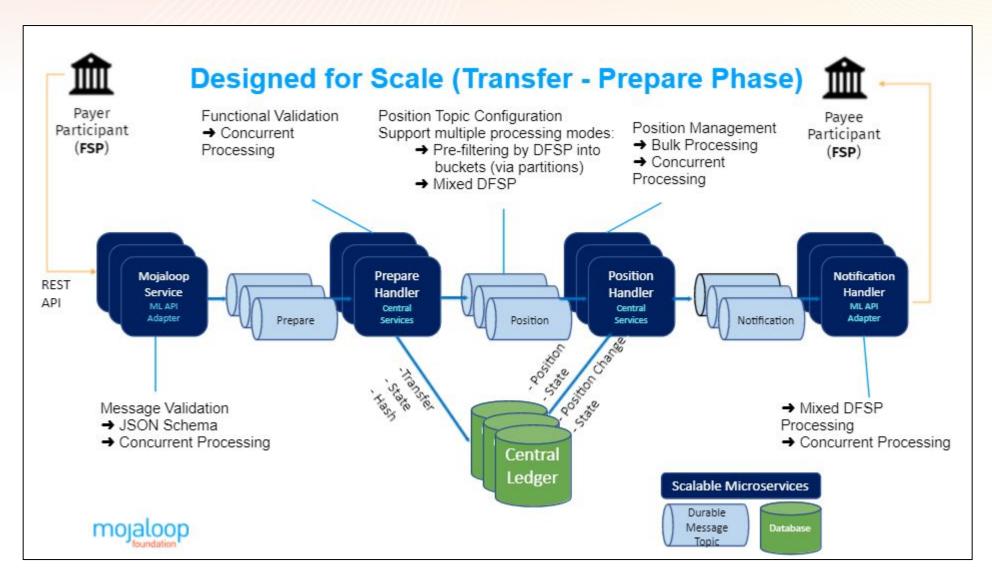


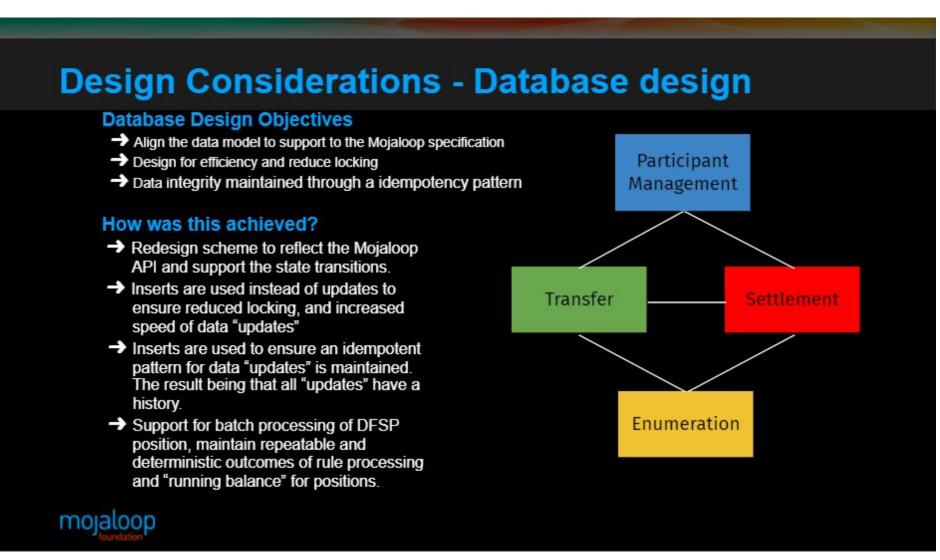


### MOJA 103 - Mojaloop Technical Overview Teaser









### Moja 104 - Mojaloop Security Overview Teaser

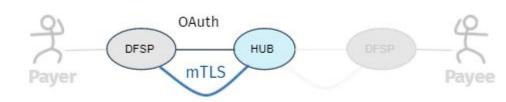
#### Mojaloop API security: Secure Communication between DFSP and Hub

#### Mutual Transport Layer Security (mTLS)

secures the communication channel for bi-directional asynchronous connections

**OAuth2** is used to provide role based access to Hub endpoints (API authorisation)

mojaloop

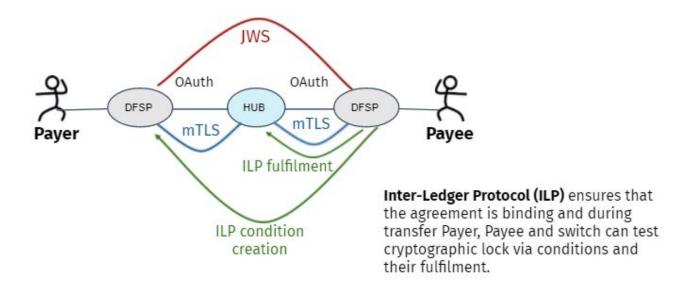


**IP Whitelisting** reduces the attack surface of the Hub to know DFSP addresses

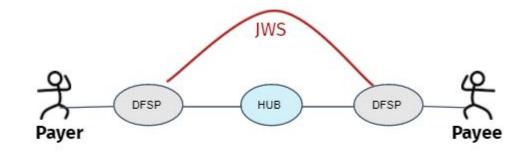
#### mojaloop

Transactional proof is achieved by ensuring that all parties are who they say they are, and that the transactional condition of the transaction is agreed to.

Mojaloop API security: Transactional proof



#### Mojaloop API security: Are you who I think you are?



**JSON Web Signature (JWS)** ensures Payer DFSP and Payee DFSP can trust messages shared between each other without potential modification by the switch.

