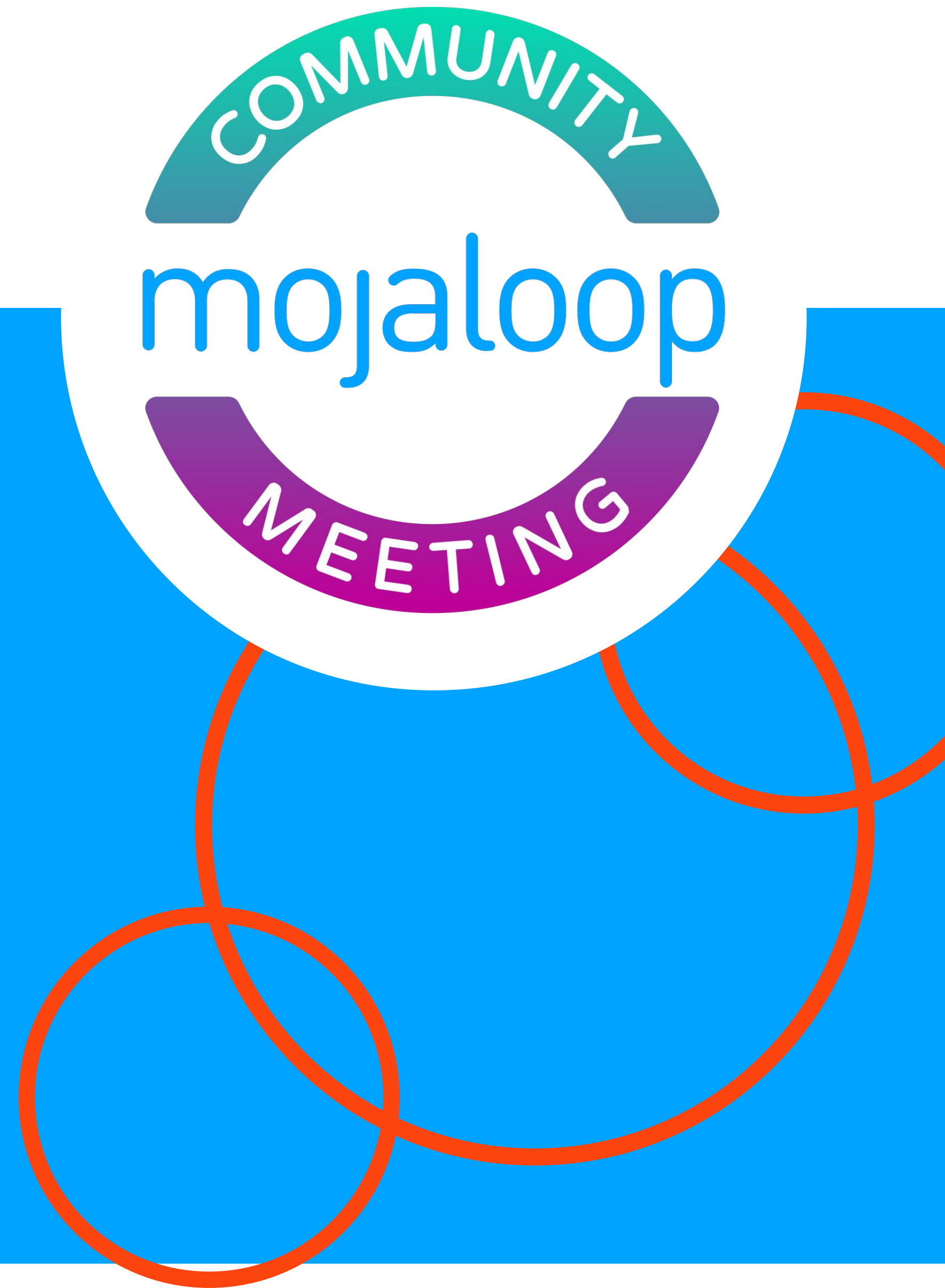


PI-21

Update on bulk

Paul Baker, Sri Miriyala



Workstream Update



Workstream Name:	Rest of bulk
Roadmap Pillar:	Achieve Scale
Lead:	Paul Baker
Workstream Objectives:	<ol style="list-style-type: none">1. Deploy a PoC - test the MVP2. Identify MVP extensions/modifications based on PoC experience.3. Complete the development of bulk at the Payee end, to support the breakdown of bulk transfers in to single transactions with the Payee CBS.4. Support adopters
Progress Against Objectives:	<p>Objectives 1 Payment Manager support for Payer bulk enhancements Infrastructure as code (IaC) has bulk built-in</p> <ol style="list-style-type: none">1. Payment Manager Helm using latest SDK Scheme Adapter2. IaC deploy Payment managers that support bulk enhancements3. Bulk deployment tests and external bulk deployment test have been added to the IaC testing pipeline
Issues:	Development teams have been distract on other projects. Hard for others to adopt without the IaC integration updates.
Next PI:	Objectives 2, 3 & 4, Bulk Patch notification; CCB workshop

Why is the bulk use-case important?



mojaloop

Make Adoption
Easier

Achieve Scale

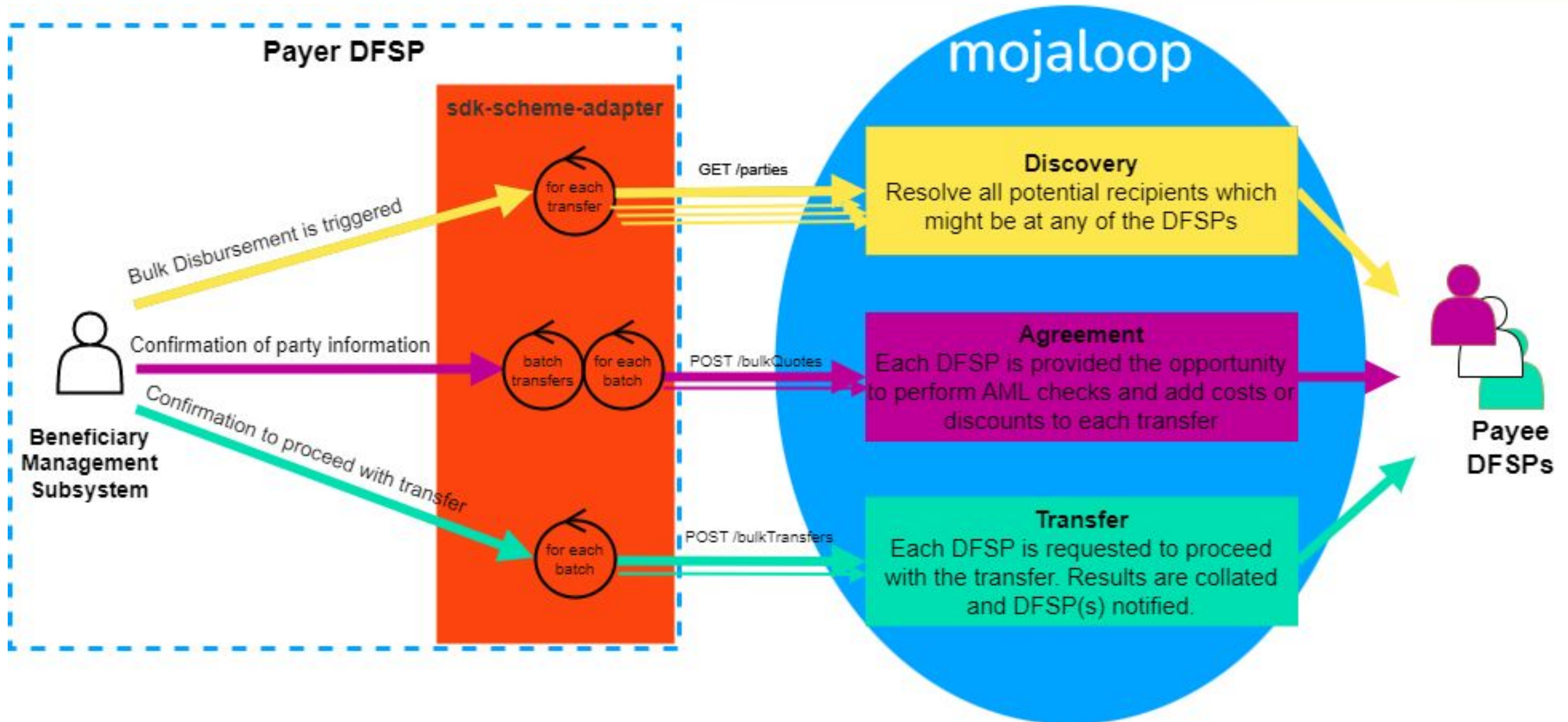
Connect to Other
Systems

Quality Product

→ Pillar 2 Support; adding new use case to achieve scale.

1. Salary payments
2. Social disbursements

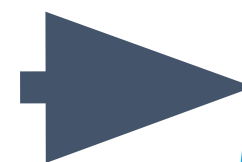
Bulk use case in Mojaloop



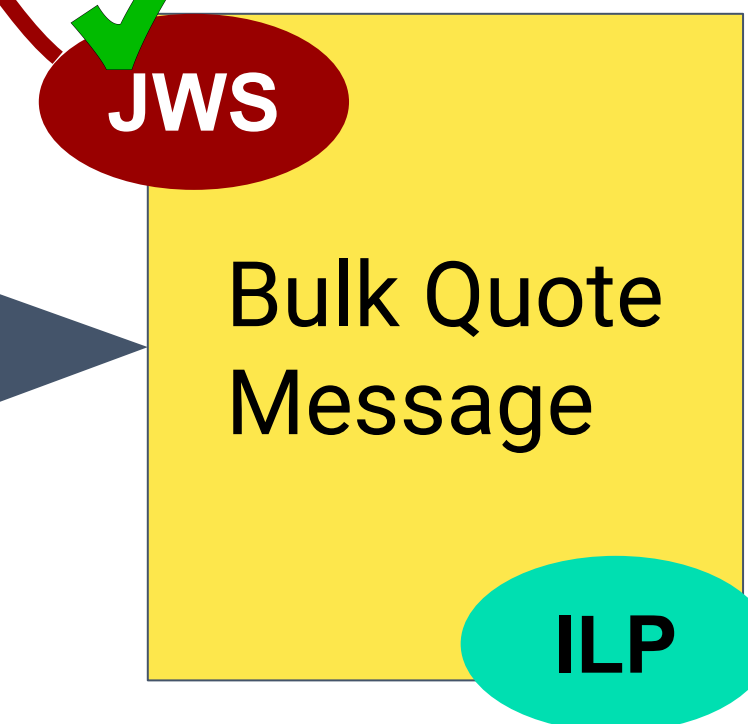
Non-repudiation in bulk



Payer DFSP



Payee DFSP



- Releases funds
- Takes on risk

- Must be able to trust message
- Verify message origin (JWS)

Bulk quotes
→ Message cannot change at the hub
→ Must be signed by Payer DFSP

More to discuss / workshop here.



Demo

Demo recording link: <https://drive.google.com/file/d/1PYuDUNOyr62XLgduTEZGFqcYDQOU5IrL/view?usp=sharing>

Contributors



Kevin Leyow
Miguel de Barros
Paul Baker
Sam Kummary
Sridevi Miriyala
Vijay Kumar

Mojaloop Bulk Feature Roadmap



Current features

Backlog features

Mojaloop Hub

DFSP Connection Support

Integration Support

FSPIOP

UI support

Payer DFSP Enhancements

Payee DFSP Enhancements

UI support

STD Core Connectors

- 1. bulkQuotes
- 2. bulkTransfers
- 3. Enhanced Tests - Improved test coverage
- 4. IaC Integration testing

- 1. Asynchronous
- 2. >1000 transactions
- 3. Discovery
- 4. Multi - Payee DFSP
- 5. Persistence
- 6. Scalable
- 7. Robust (failure design)

- 1. SDK support for bulk Quotes
- 2. SDK Support for bulk Transfers

- 1. */bulkTransactions* API Published
- 2. Bulk Integration patterns are documented

- 1. Enable reserve - commit integrations (Bulk Patch Notification)
- 2. Bulk Discovery
- 3. Performance of switch with Bulk
- 4. PISP Bulk

- 1. Bulk Transfer Dashboard (micro-frontend)

- 1. Synchronous
- 2. Auto accept party
- 3. Auto-accept quote (with fee limits per currency)
- 4. Only Validate Party
- 5. Skip Party lookup
- 6. Bulk Expiration

- 1. Demultiplexing for bulk Quotes
- 2. Demultiplexing for bulk Transfers

- 1. Payment Manager Support
- 2. Payer Bulk Transfer Dashboard

- 1. Hackathon
- 2. Bulk Mojaloop Training Program new course and course extensions

Supporting Bulk at Hub

Supporting Bulk at DFSP

Supporting Integrations