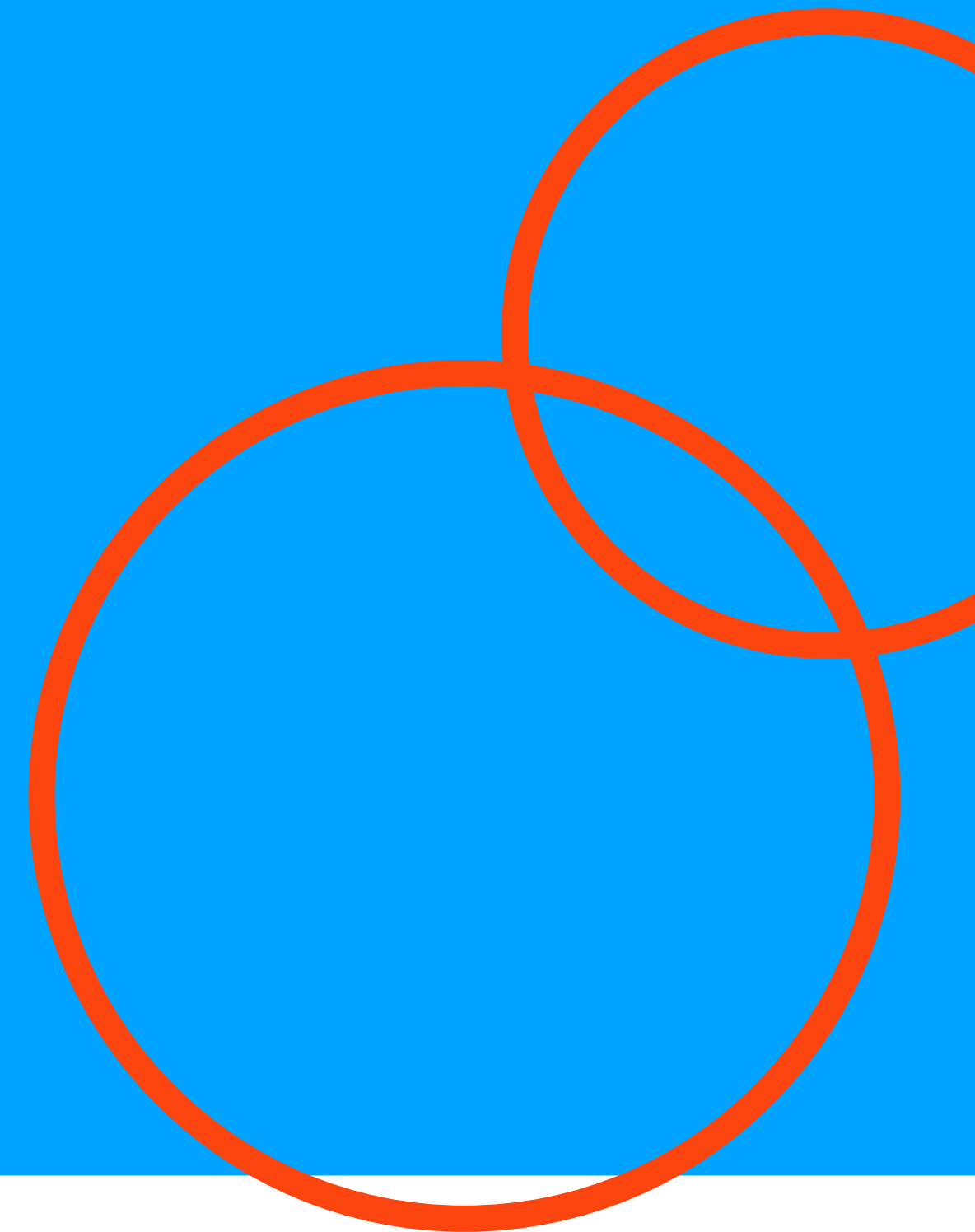
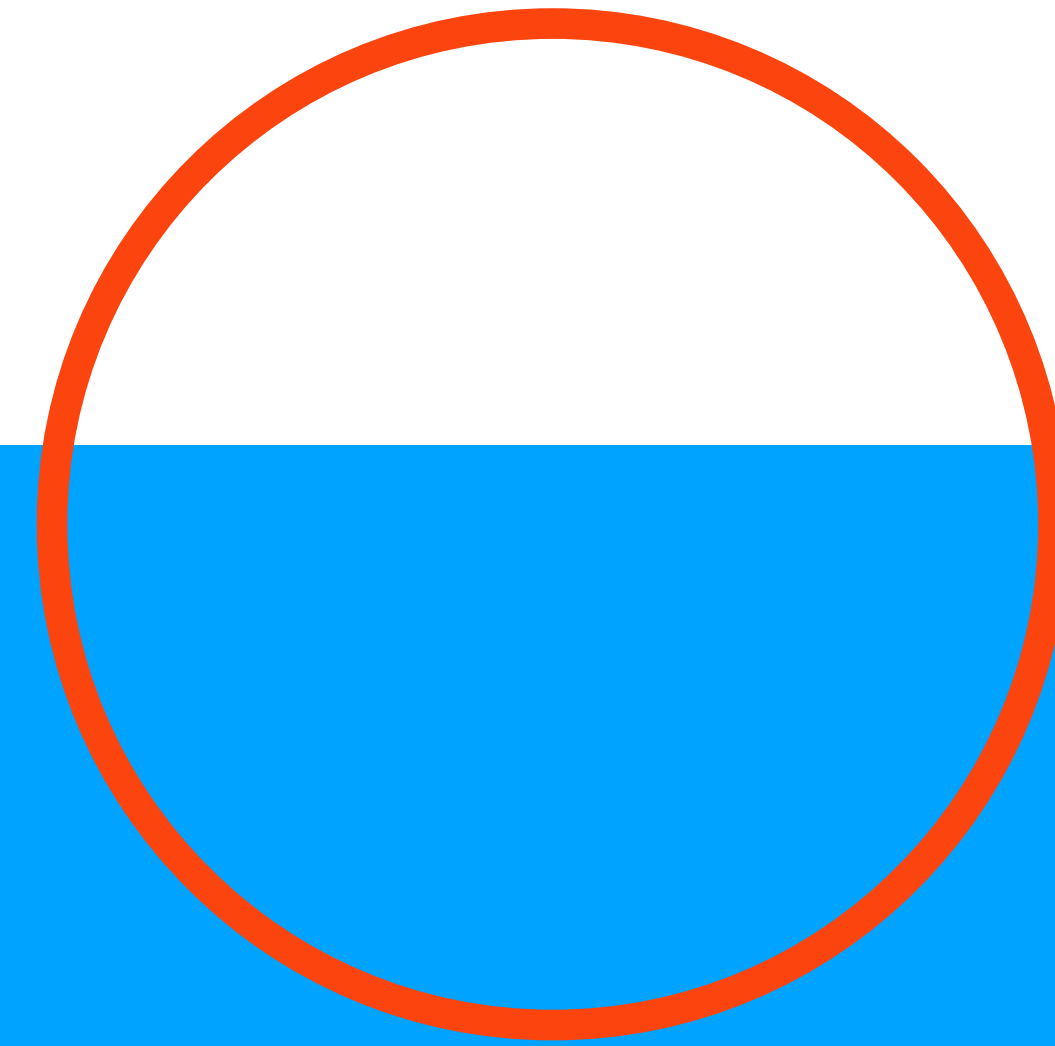




vNext

Workstream Status
June 2024



Workstream Update

Workstream Name:	vNext
Roadmap Pillar:	Foundation: Quality Product
Lead:	James Bush
Workstream Objectives:	Migrate Mojaloop official release to be based on vNext components
Progress Against Objectives:	Beta release being iterated towards release candidate
Anticipated Progress by PI End:	Continuing progress towards release candidate status
Roadblocks:	Resource limitations: Committed resources from community and adopters
Support Needed:	<ul style="list-style-type: none">● Engineers with typescript experience.● Engineers with test experience.

What is vNext?

- vNext is a new implementation of Mojaloop core service components.
 - Migration to TypeScript (from JavaScript)
 - Closely following the Mojaloop reference architecture (closer alignment between code and the business domain)
- vNext is a “drop-in” evolution of the current product
 - Same underlying feature set (with some enhancements)
 - Same external APIs (Mojaloop API specifications)
- We have to be duly diligent and minimise risk for our adopters; we are working on the core of a financial infrastructure product.

Why vNext?

- Evolution of our technology
 - Architectural evolution
 - Business requirements change over time
 - Code complexity increases over time as new features are added
 - Potential optimisations appear
 - Shared understanding of the business and technical domains evolves over time
 - Simplification of code structures
 - Less risk and cost in maintenance and extension
 - Easier to understand and reason about >> simpler and less risky to change
 - Tool Evolution
 - “Better” tools become available e.g. TypeScript



Progress Since Last Report

- Contributions coming from Thitsaworks, Interledger Foundation, Infitx and MLF.
- Backlog being actively worked on.
- Design Authority review upcoming on TigerBeetle integration (request from TGB).

Backlog - Focus Items

- Mojaloop Engineering Practices
 - End-to-end test suites all passing
 - Setting up Mojaloop workflow steps and protections on all vNext GitHub repositories (CI pipelines)
 - Publish administrative API definitions
 - Increase documentation
- Core clearing / ledger
 - Complete and test TigerBeetle integration

Backlog - Focus Items

- Full Mojaloop API specification compliance
 - Use-case support, same business scope as vNow (P2P, Payee initiated, PISP etc...)
 - Duplicate checks / idempotence
 - Error paths and edge-case support
- Complete integration of settlement functionality

Backlog - Focus Items

- Deployment pipeline
 - Release mechanism work in progress
- UI/UX completion / bug fixes

Grateful thanks to all contributors!



Reach out to participate

- Email: james.bush@mojaloop.io
- Mojaloop Slack: [#vnext-build](#)

