



vNext PI 20 Update

27 Oct 2022

vNext Team





Agenda

- What is vNext and why we need it?
- Progress update
- Demo
- Timelines / Roadmap



**What is vNext
and why we need it?**

Path to vNext?

Performance PoC

(Q4 2020)

Reference Architecture

(Q2 2021)

Reference Architecture Refresher

A Reference Architecture...

...is a set of documents, that **captures the essence** of the product
and **provides guidance** to the implementation
of its **future versions**.

Reference Architecture Findings

Things we don't have

Things we can improve

Reference Architecture Findings

What don't we have?

Native maker checker and RBAC

Fully decoupled from the infrastructure components

Ability to extend functionality without risk

Enable a Mojaloop marketplace

Reference Architecture Findings

What can we do better?

Better split of the multiple components around
the identified bonded contexts

Design so that any component to be replaceable

Incorporate operator feedback and enhance UX

Reference Architecture Shout-out!

**Delivering the reference architecture was
an enormous community achievement!**

Sessions 3 times a week, for longer than 6 months,
with at least 80% the DA members
actively participating in most sessions

Reference Architecture Shout-out!

Adrian HB and Jason B - [Coil](#)

Lewis D, Godfrey K and Pedro B - [Crosslake](#)

Istvan M - [DFP/Mifos](#)

Justus O - [LexTego](#)

Michael R, Miguel B and Sam K - [ModusBox](#)

Simeon O and Lesley-Ann V - [Mojaloop Foundation](#)

Greg M and Johann N - [Sybrin](#)

What is vNext?

vNext is the strict implementation
of the Reference Architecture,
designed around its bounded context approach

vNext's key benefits

Infrastructure agnostic - DBs, IAM, Crypto

Even core components can be replaced

Ability to provide multiple external APIs

vNext's key benefits

Ability to add functionality without changing code

Mojaloop Marketplace

Secure, Performant at Scale and Cost Effective

Resilient, Testable and Easy to Deploy & Operate

Why we need vNext?

We cannot achieve the vision starting
from the current base.

The changes are too big and too deep.

How does it fit the pillars



Evolution to continuous quality,
delivering modularity at scale,
easy to adopt!



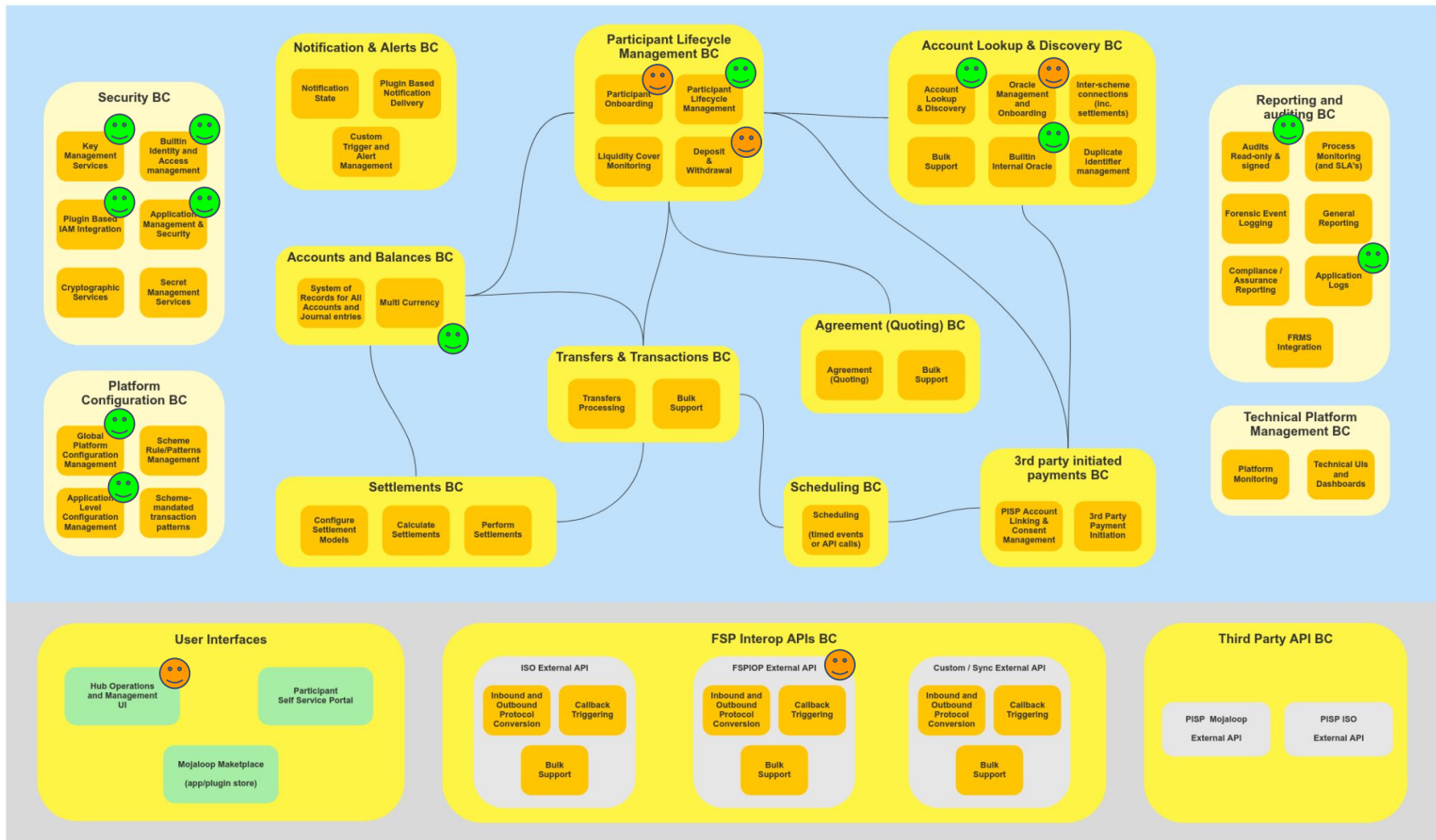
vNext build progress update

vNext Build Status

We have built most of the cross-cutting concerns

Now working on the big business features:

Participant Lifecycle, Accounts & Balances, Account
Lookup and the FSPIOP API





Demo



This is pre-alpha...



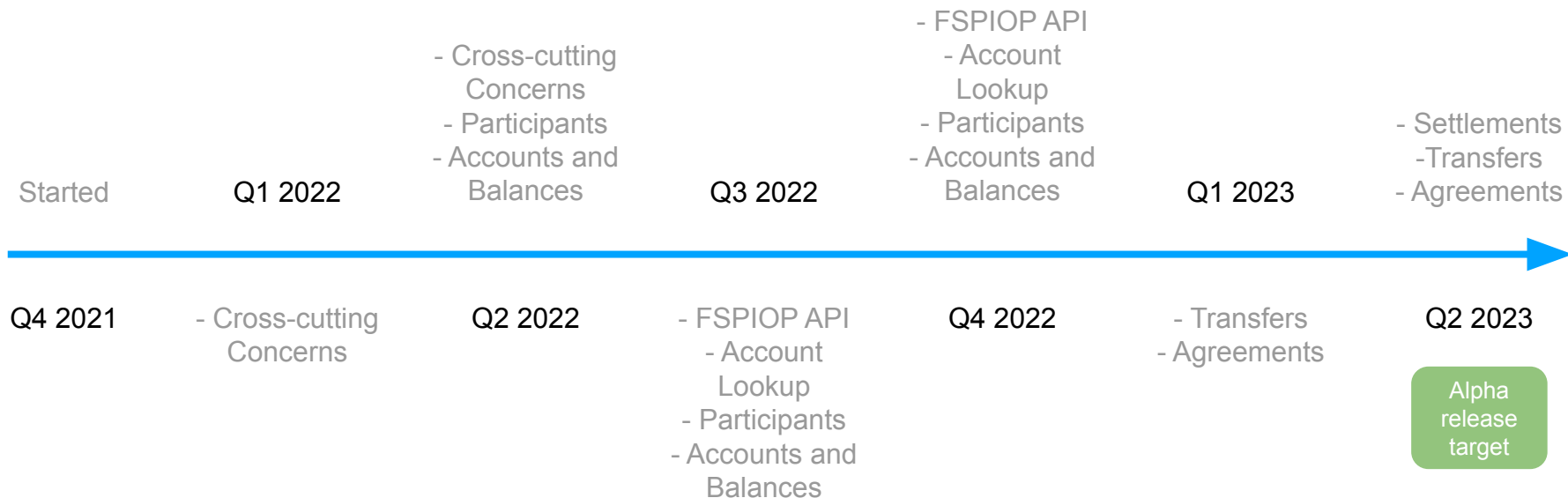
One more thing...

... Challenge accepted!



vNext build Timelines / Roadmap

Timeline leading to Alpha



Timelines - Current Estimate

Alpha Release - End of Q2 2023

Beta Release - End of Q4 2023

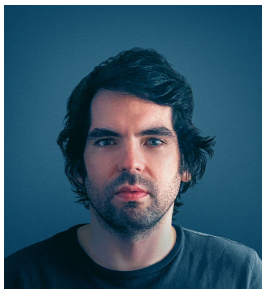
Thank you to the team



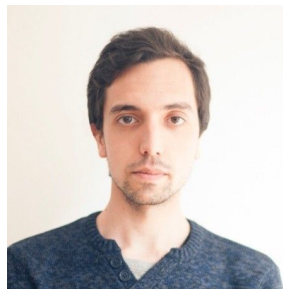
Jason Bruwer



Gonçalo Garcia



José Antunes



Rui Rocha

Q&A

Reference Architecture

<https://mojaloop.github.io/reference-architecture-doc/introduction/>

vNext Repositories

<https://github.com/mojaloop?q=vnnext>