

vNext PI 20 Update

27 Oct 2022

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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 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, inc. infrastructure

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](#)

Why we need vNext?

We cannot achieve the vision starting
from the current base.

The changes are too big and too deep.

What is vNext's specification?

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

What extra value is it delivering?

Infrastructure agnostic

Even core components can be replaced/updated in isolation

Ability to provide multiple external APIs

Ability to add functionality without changing code (risk)

Mojaloop Marketplace

Secure, Performant at Scale and Cost Effective

Resilient, Testable and Easy to Deploy & Operate



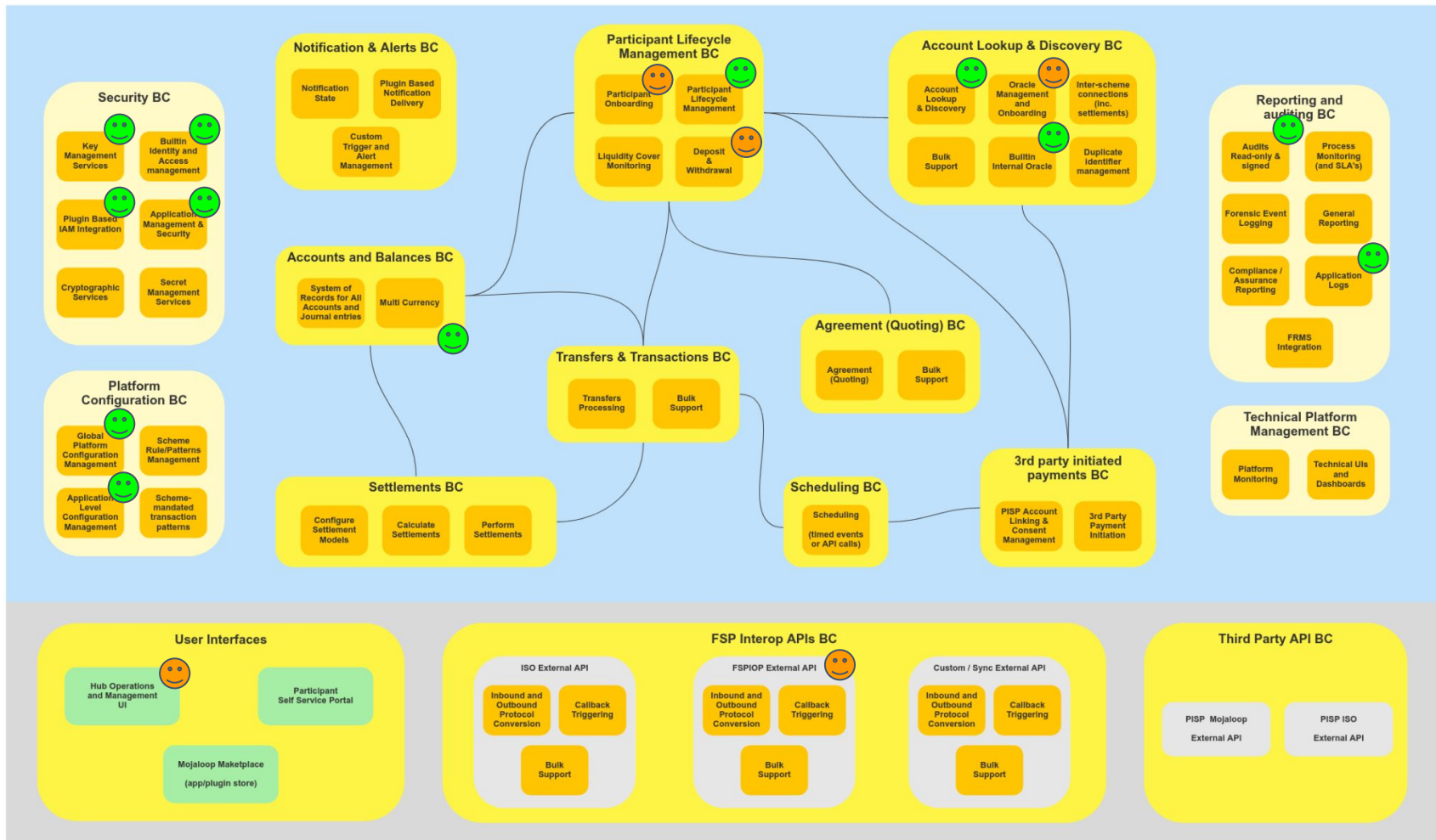
vNext build progress update

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



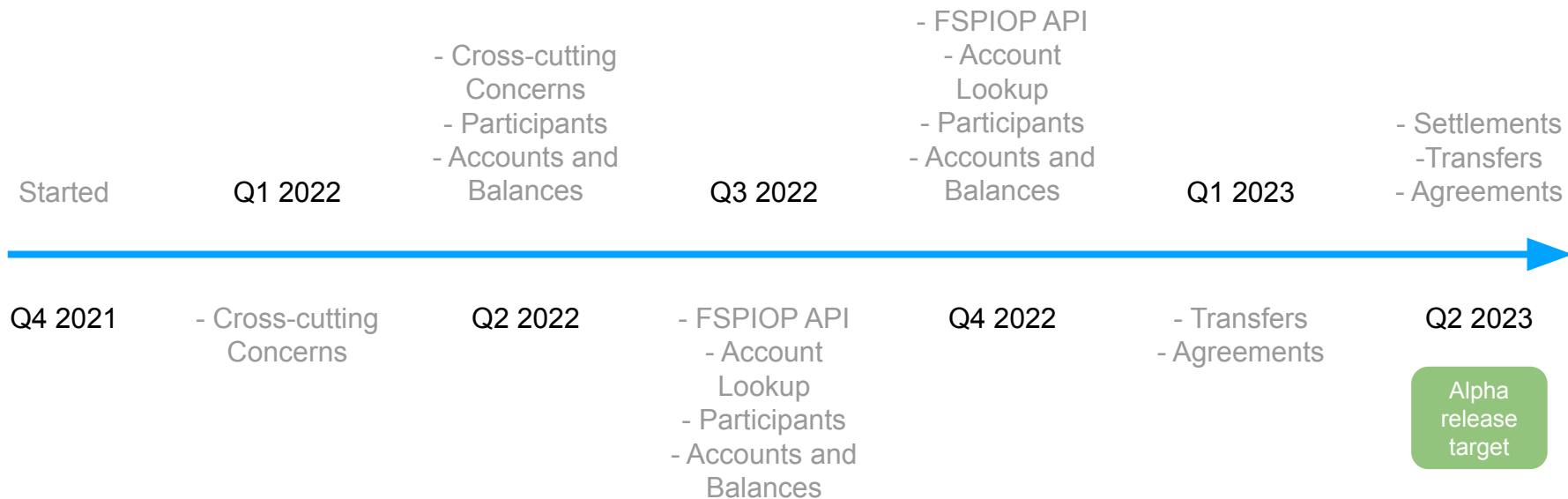


Demo



vNext build Timelines / Roadmap

Timeline leading to Alpha



Timelines - Current Estimate

Alpha Release - End of Q2 2023

Beta Release - End of Q4 2023

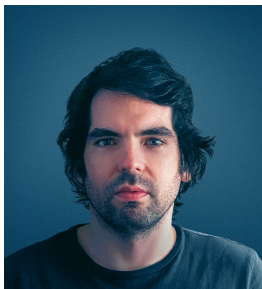
Thank you to the team



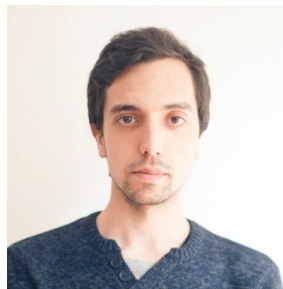
Jason Bruwer



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>