

Lendr - July 20th, 2021

-> Exit strategy from employment. Quit METS in < 3 months

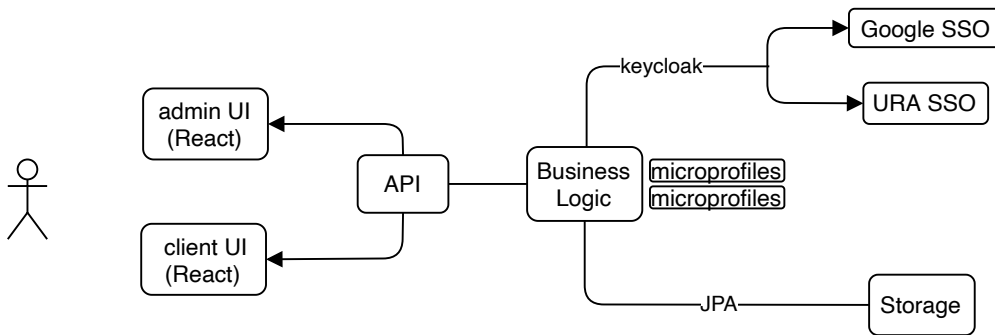
MVP:

- Tools/framework I already know
- no new stack like ELK/Rabbit
- improvise, improvise, improvise!!
e.g use postman collection instead of swagger??

Added advantage:

- collateral is the goods whose tax is paid
- integrate EFRIS to understand the movement of the stock/goods in real-time to minimise defaulting
- consignee personally liable??

MVP Architecture



MVP Tech stack/tools

- React
- Keycloak
- Hibernate
- openliberty
- microprofiles
- testing (JUnit5, mockito, hamcrest)

MVP Functions

- login
- apply for loan
- fetch entry details (assessed + others)
assessed, assessed Not Paid, Not assessed

Todo:

Build the Best Delinquent management system
Check out Uganda Microfinance Regulatory authority

URA API functions

- Login user by TIN/PRN
(enter TIN, redirected to SSO page to enter PIN)
- Fetch all user entries/transactions by TIN (consignee)
- Fetch tax details given a PRN
- List of valid agents & their profiles

Logged in user - can see all their (consignee) transactions/entries in their logins

LOGGED IN USERS:

- Track an entry progress/status
- Generate FDN number (if not existent)
-

The Idea:

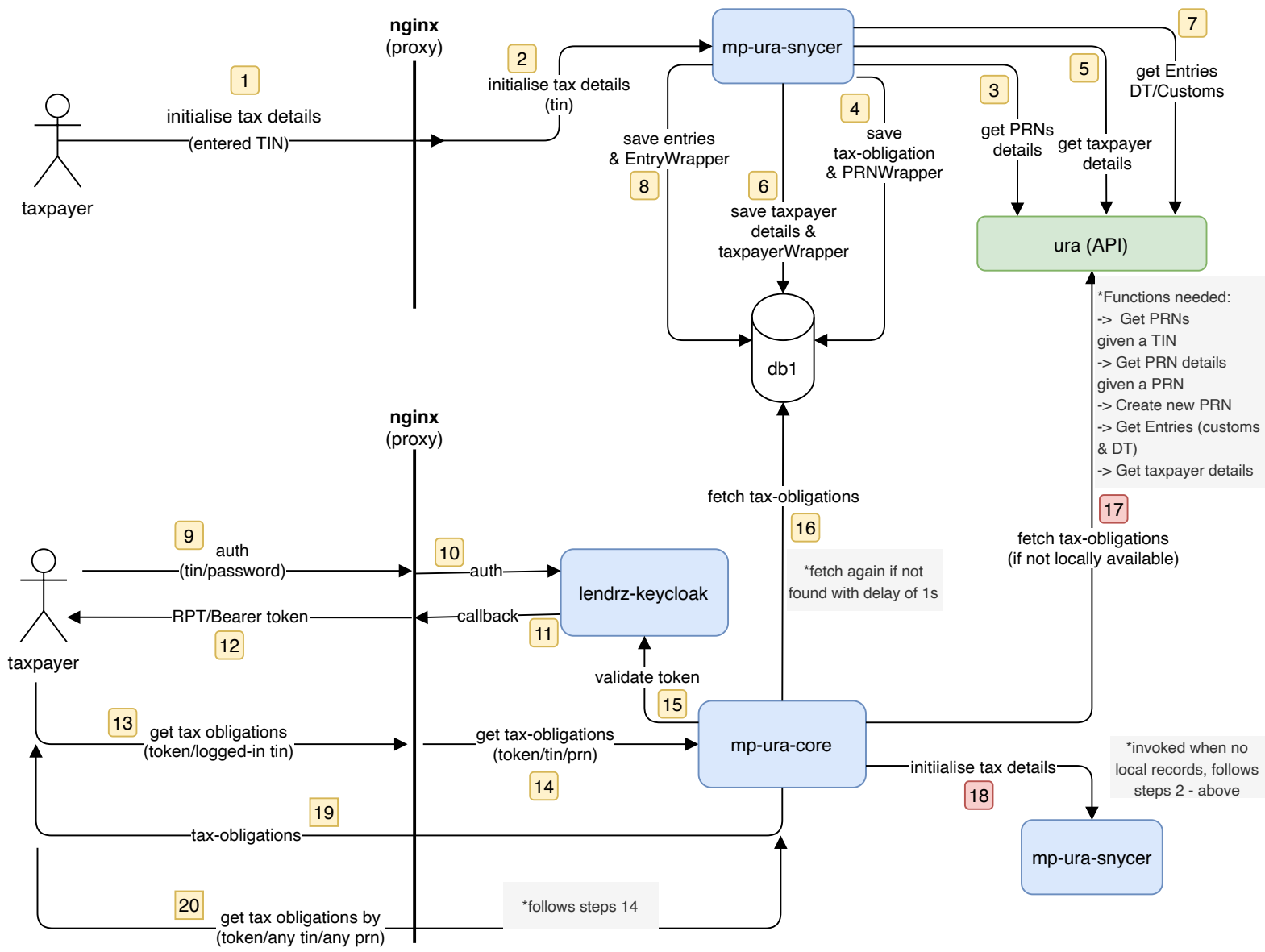
- Peer to peer Lending
(first focused on basubuzi)

Technical work:

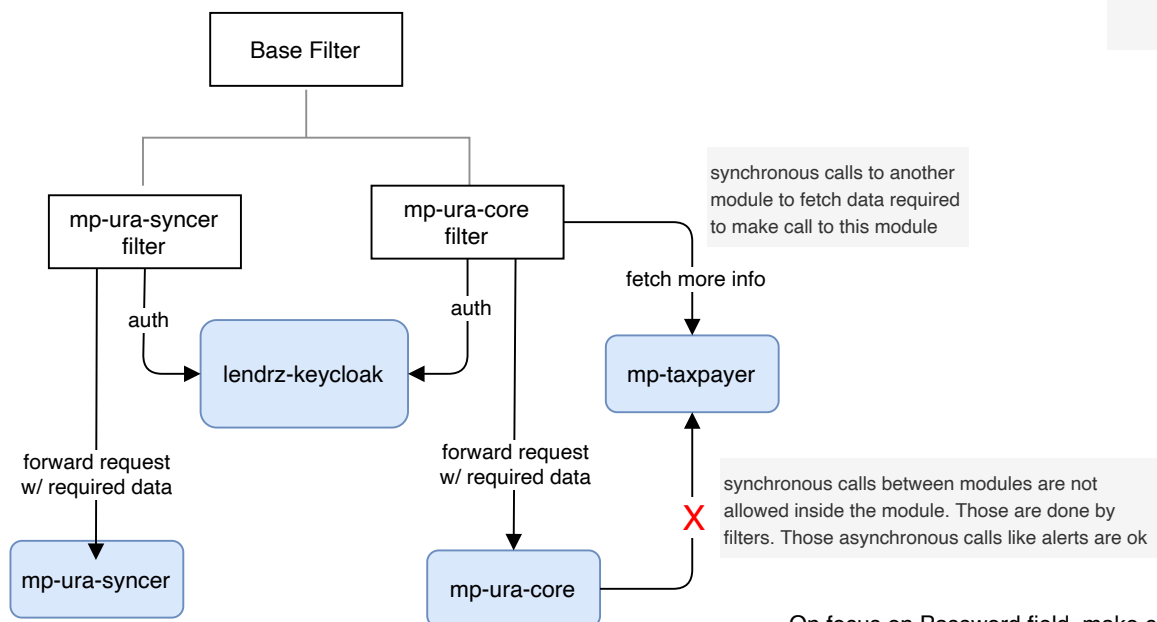
- an interface with URA
- a credit scoring system
- web & app UI

LendingClub offers several services via the API that allow users to:

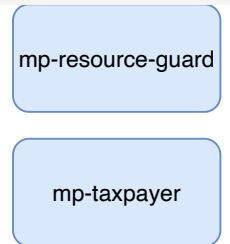
- Browse the loans currently listed on the platform
- Submit orders based on filters and criteria that they build and customize
- Review their account summary and detailed holding information



auth & access mgt. plus dependency management between micro-services



*this can be a global filter/listener that doesn't belong to any particular module. That intercepts all traffic and does any auth/access related work and communicates with keycloak



On focus on Password field, make call to backend to fetch:

- tax obligations
- tax payer details
- Entries (DT & Customs)
- PRN details

Upon Login, return the relevant details,

- tax obligations
- some tax payer details