

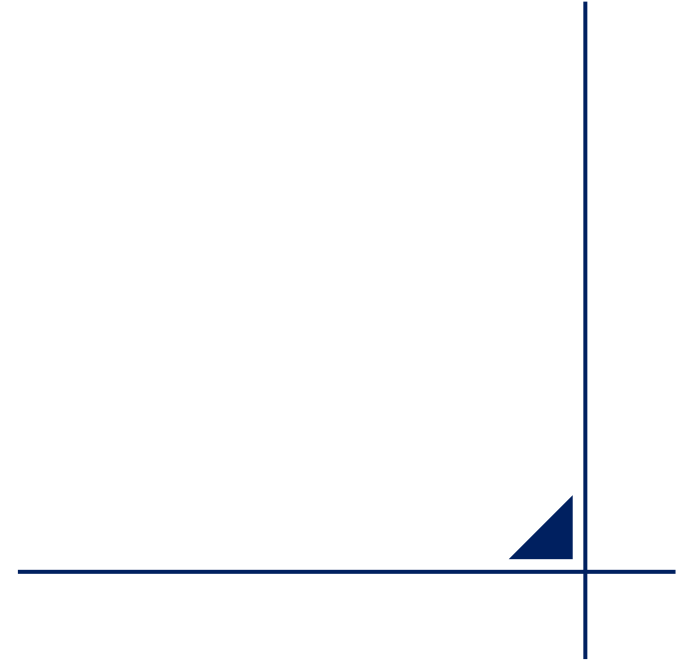
udpn

Project Kissen Sandbox Quick Guide

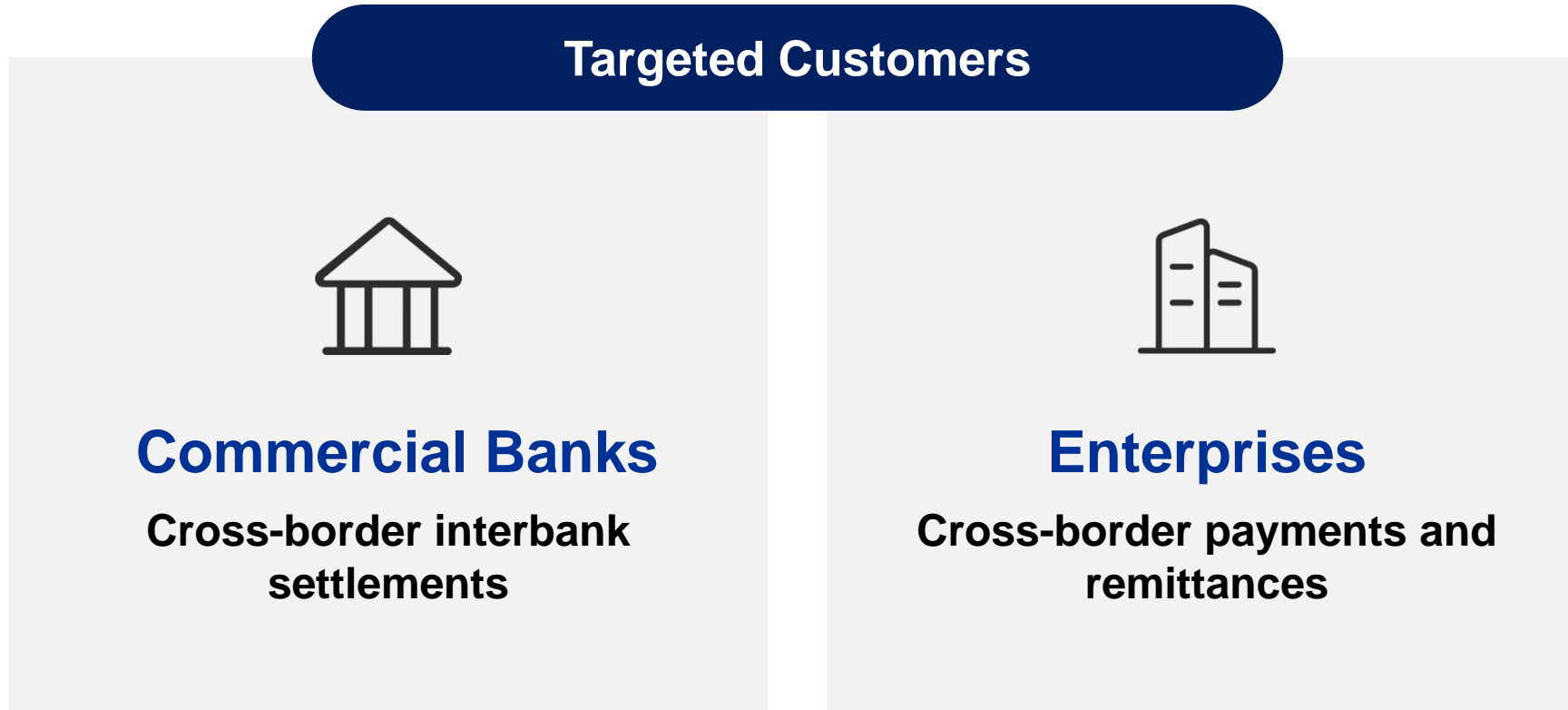
(5 minute Read Version)



UDPN Teams



● Kissen Network Purpose



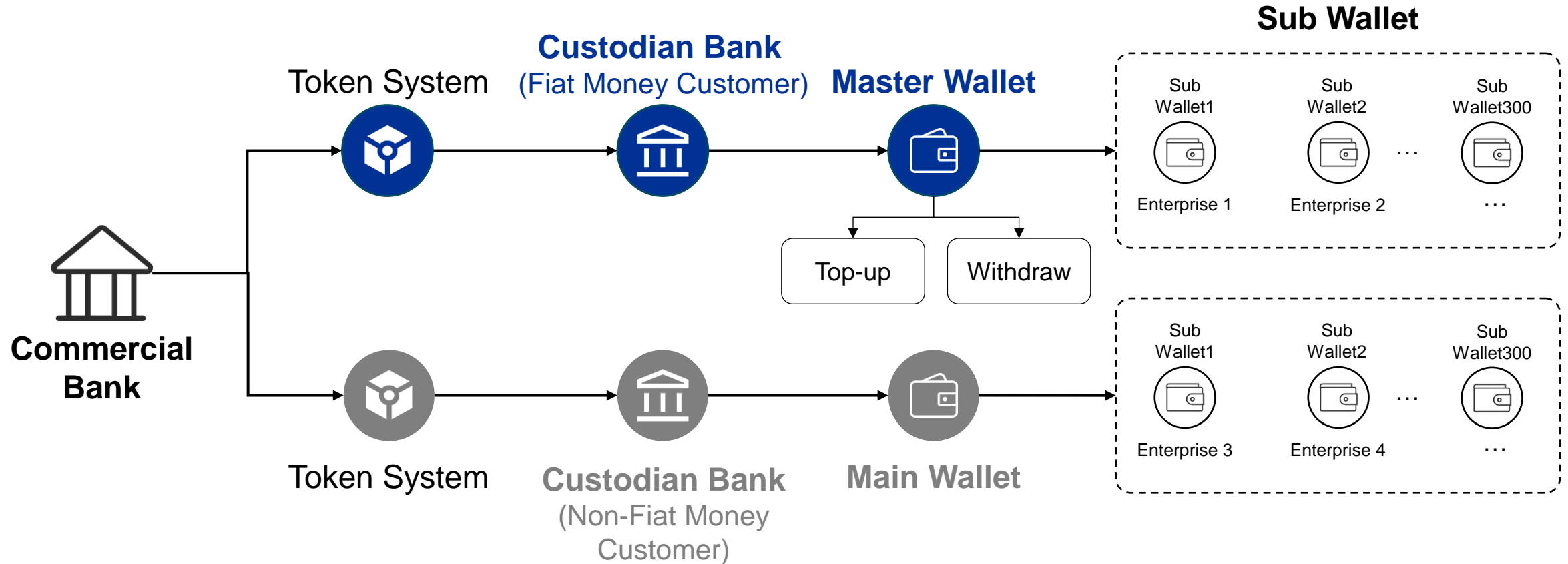
Commercial banks must be onboarded by Custodian Banks, Enterprises must be onboarded by Commercial Banks in compliance with all banking regulations



Token Systems

The Kissen Network links banks' independent tokenized deposit and stablecoin systems on any blockchain environment. In the Sandbox, all tokens are centrally deployed and managed on Hyperledger Besu and a public chain (TBD).

● Master Wallet, Main Wallet and Sub Wallet



Any onboarded Commercial Bank can apply for main wallets and sub wallets in any tokenized deposit system on the Kissen Network, not limited to its own Custodian Bank.

● Commercial Bank Control Panel

Core Features



**Wallet
Management**

*Master, Main, and Sub
wallets



**Transfer and FX
purchasing**



**Financial
Management**

*Journal Entries and
Reports



**FX Rate and Pair
Management**



**Enterprise
Management**

● Custodian Bank Management Portal

Main Features



**Wallet Approval and
Management**



**Commercial Bank
Onboarding**



**Transaction
Query**

● FX and Liquidity Mechanisms



Local FX

If a commercial bank provides liquidity to a pair of token currencies on Kissen Network, its enterprise customers must use the bank's local FX rates and liquidity pools for this pair.



Network FX

If a commercial bank doesn't provide liquidity to a pair of token currencies on Kissen Network, its enterprise customers must use the network FX rates and choose liquidity providers. The spread of the network FX rates is set to 2%.

● Enterprise Onboarding

01 Go to Enterprise Management, click Register

02 Fill in the enterprise basic information. Email is a must-fill field.

03 An email will be sent to the email address with the access key and API documentation.

04 Enterprises must access Kissen Network via the Commercial Bank's Control Panel API. We don't provide UI for enterprise customers in the sandbox.

What can the Enterprises do?



Apply for new wallets and manage existing wallets supported by its commercial bank



Make cross-bank, cross-currency, cross-token payments to other enterprises from other banks



Swap tokens via FX mechanisms (local or network)

● Commercial Bank APIs

API Main Purposes



Core Banking System Integration

Management APIs



Direct Enterprise Access from Business Systems (ERP, Accounting)

Enterprise Customer APIs

All actions available in the control panel's UI can also be executed via APIs
(see API Documentation).

● Centralized vs. On-Premises Deployments



In the Sandbox, Commercial Bank Control Panels and Custodian Bank portals are centrally hosted and deployed by default.



Banks can opt to deploy the systems in their on-premise environments or clouds.

● Key Management



In the Sandbox, all access keys, UI-generated wallet private keys, and smart contract control keys are stored in the default keystore module of the control panel or custodian portal systems.

API access keys and API-generated wallet private keys are generated and managed by banks or enterprises.

Key management can be integrated with banks' internal PKIs or third-party services like AWS KMS for on-premises deployments.

● Business Use Cases



All business use cases should be built using the APIs.

The UDPN Team offers free support to banks planning to build use cases and will release one or two example use cases in the Sandbox each month.

● Support and Contact

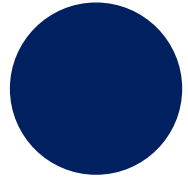
We encourage onboarded banks to refer other banks to join the Sandbox, especially for interbank use case purposes.



Please email to kissen@udpn.io for any feedback, support requests, or questions.



We can create a dedicated Slack or WhatsApp group for any onboarded bank if required.



THANK YOU!



UDPN Teams

