

Welcome!



Fabric Application Developer Community Call

Thurs Apr 30th 2020





Agenda

Today's Agenda:

Working with Private Data (as part of total Asset History) - Paul

AOB



Agenda

Private Data History options:

(fyi:JIRA about for PD history API https://jira.hyperledger.org/browse/FAB-5094)

• 1. Store Hash of Private Data, *GetHistoryForKey* on the hashed key – find txns that affect the history of that Private Data key (ie locally)

• 2. Store affinity keys for Private Data – and get history of the Asset as whole – including 'your' private data (brief demo)

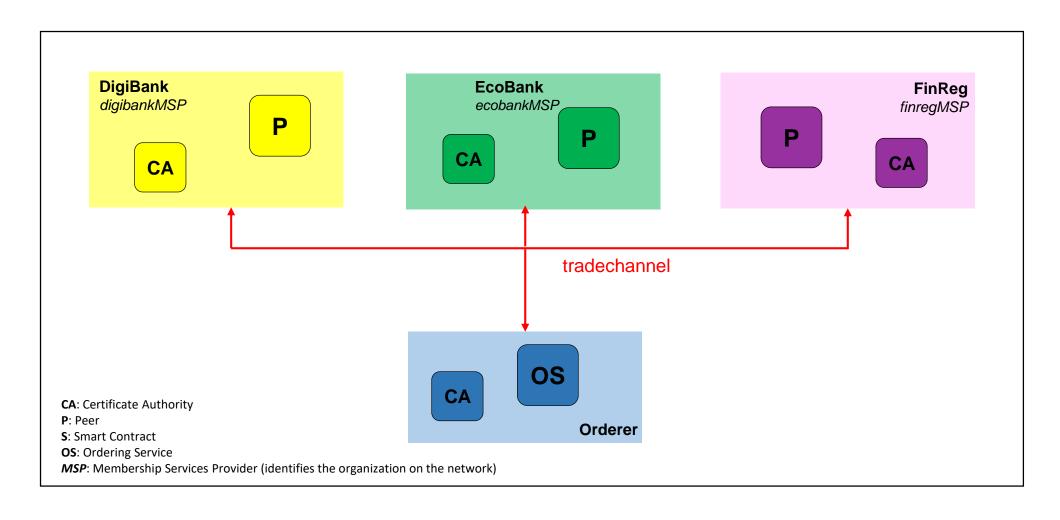
Private Data

Using Hyperledger Fabric
Private Data features to store
private data in designated collections
(defined for one or more orgs) but allow verifiers to
perform 'cross-verification'
of that private data against
its corresponding channel ledger hash state

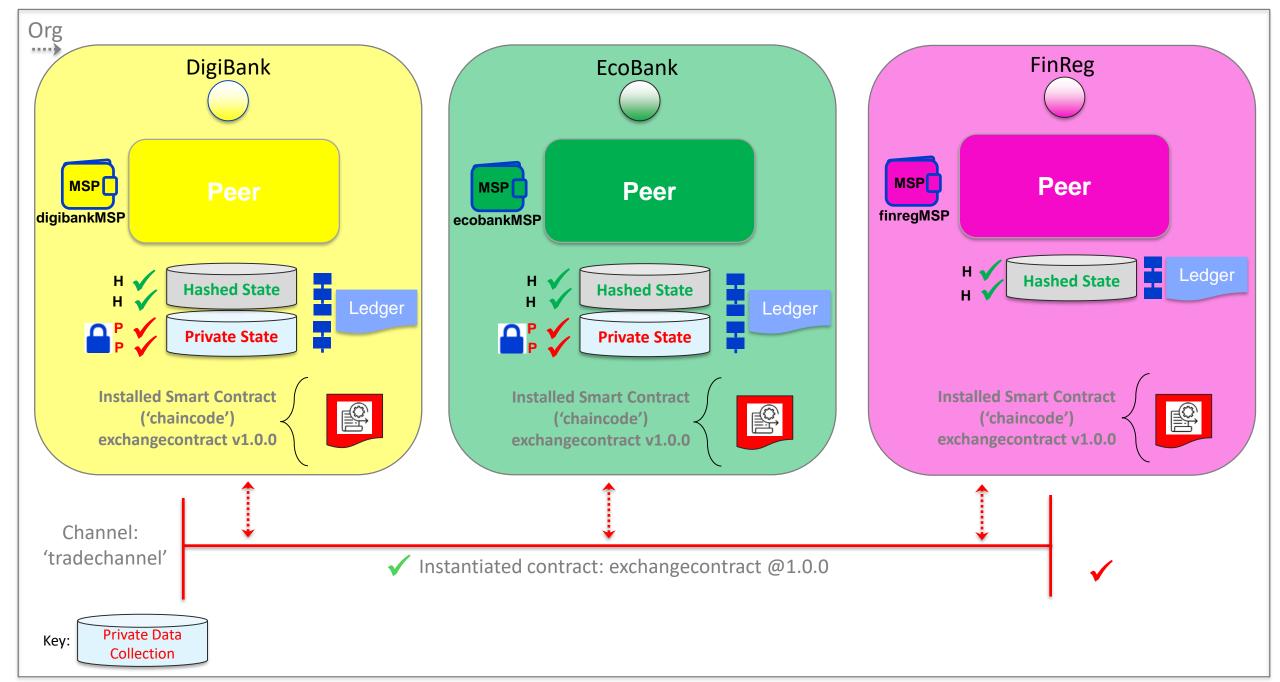
Custom Network - Overview

Custom, three organization blockchain network
Based around a fictitious
commodity exchange network used in demo

Custom Network

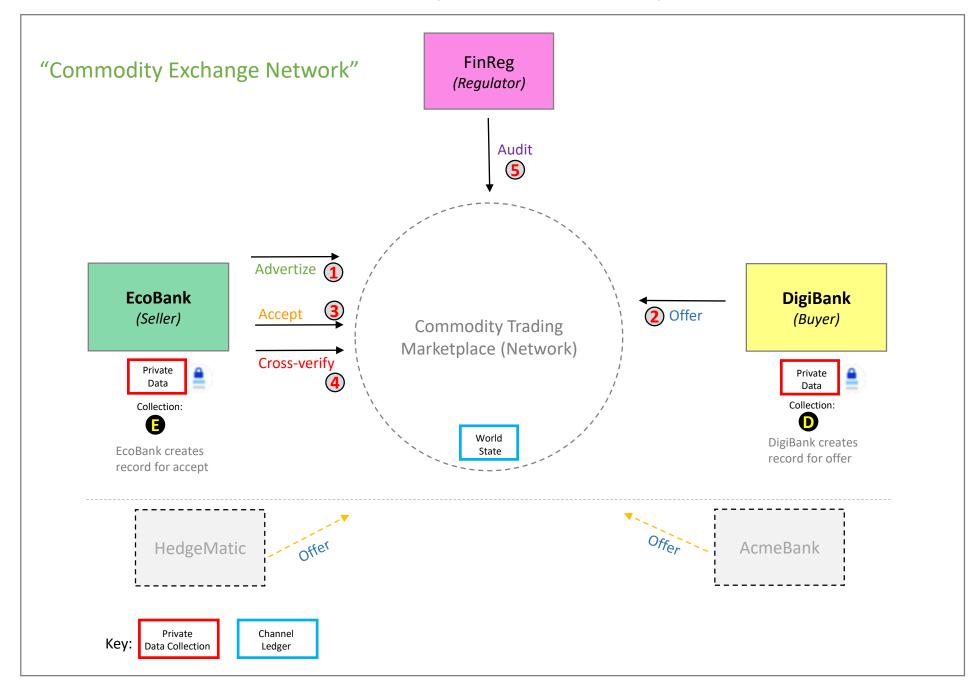


Commodity Trading Exchange: Overview

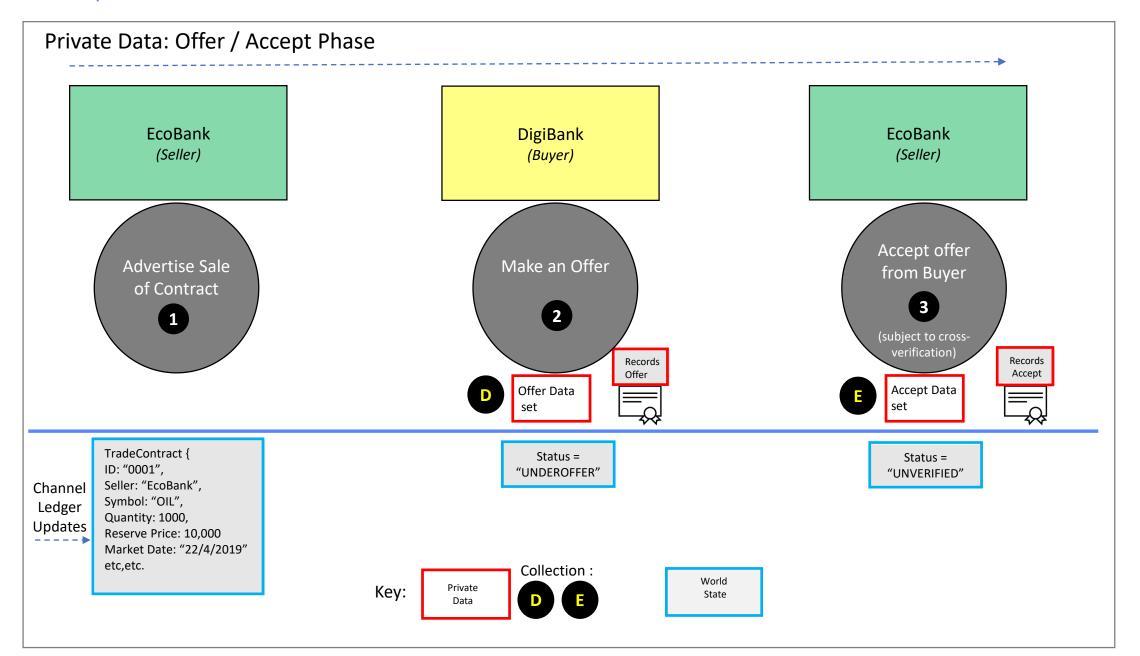


Private Data Lab: Transaction Flow

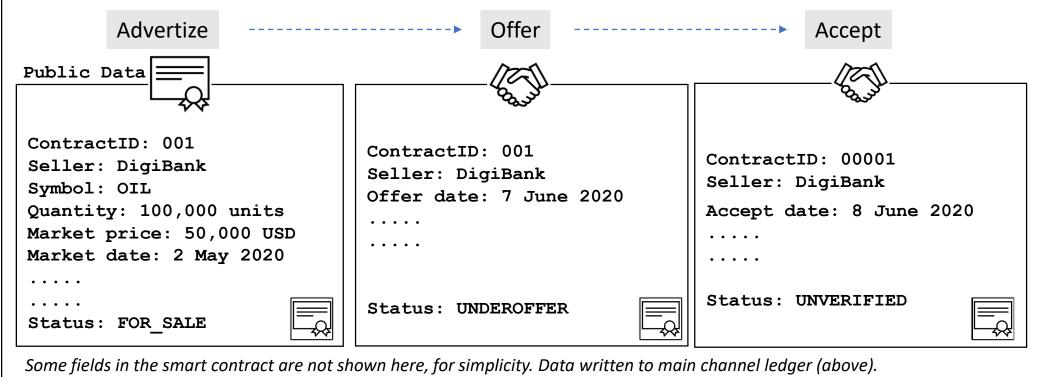
Private Data Lab: Transaction Sequence - Summary

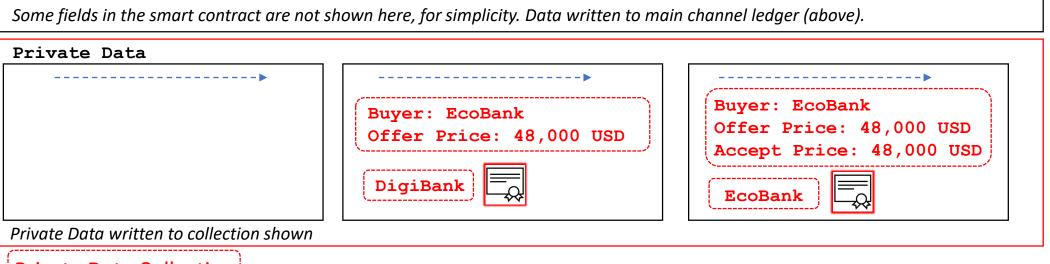


Verify Pattern



Commodity Contract data: what's public, what's private?





Private Data Collection

Community Chat



• Developer Chat (RocketChat) – channel names for posting:

https://chat.hyperledger.org/channel/

#fabric-chaincode-dev

#fabric-sdk-node

#fabric-sdk-java

#fabric-sdk-go

Community Support



 Questions & Open Community Support (Stack, Mailing List, Twitter)

Contracts: http://stackoverflow.com/questions/tagged/hyperledger-fabric

http://stackoverflow.com/questions/tagged/hyperledger-chaincode

SDKs: http://stackoverflow.com/questions/tagged/hyperledger-fabric-sdk-js

(etc ie 'language suffix')

Twitter: https://twitter.com/hyperledger

Mailing List: details next page

Application Developer Community Support (Mailing List)



Hyperledger Mailing List

To subscribe or unsubscribe, visit https://lists.hyperledger.org/g/fabric

or, via email, send a message with subject or body 'help' to fabric@lists.hyperledger.org

Lists (Subgroups): https://lists.hyperledger.org/g/main

Help: fabric+help@lists.hyperledger.org

You can change your settings once you log in at https://lists.hyperledger.org/g/main

Further Links



Fabric Developer - Community Home Page

https://wiki.hyperledger.org/display/fabric/Fabric+Application+Developer+Community+Calls

Fabric Developer Community – resources

https://wiki.hyperledger.org/display/fabric/Resources%3A+Fabric+App+Developer+Community

| Developing Applications using Hyperledger Fabric (using the new programming model) |
|---|
| https://hyperledger-fabric.readthedocs.io/en/latest/developapps/developing_applications.html |
| Fabric Application Developer samples (Contracts, SDK, Tutorials): Fabric samples Repo (eg Commercial Paper, Fabcar): : https://github.com/hyperledger/fabric-samples/tree/release-1.4/ 'Animal Tracking' TypeScript sample Contract/App Client (1.4) https://github.com/mahoney1/animaltracking with Tutorial: https://github.com/mahoney1/docs/blob/master/animaltracking-tutorial.md |
| Go developer API (prototype) example - (see README): https://github.com/awjh-ibm/fabric-go-developer-api |
| Resources, tips and best practices to share with the community |
| https://github.com/ampretia/fabric-application-examples |

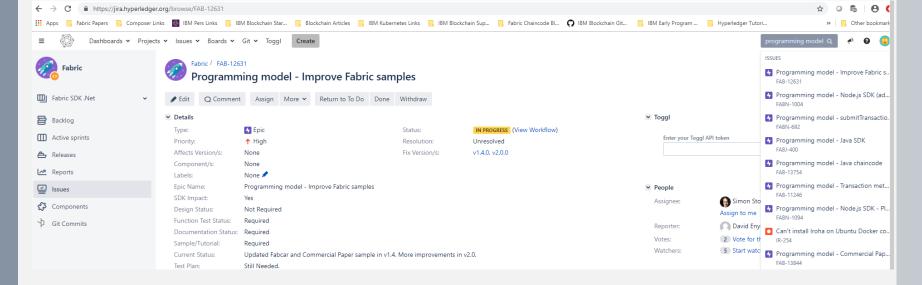


Fabric Team encourages you to review/comment on current Fabric JIRAs

(ie stories, epics, requests relating to work-in-progress)

Eg. JIRA search - 'programming model' – (results below)

JIRAs – feel free to comment, give your input





Reference

New Programming Model (1.4.x):

- JIRA references Fabric Programming Model Info:
 - https://jira.hyperledger.org/projects/FABN/issues/FABN-692
 - https://jira.hyperledger.org/browse/FAB-11246



THANKS!

CIAO FOR NOW!



