

LBChain progress

Midway to success

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tieto

Tieto team



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Goals and achievements

1. Propose LBChain concept



2. Prepare and validate customer journey



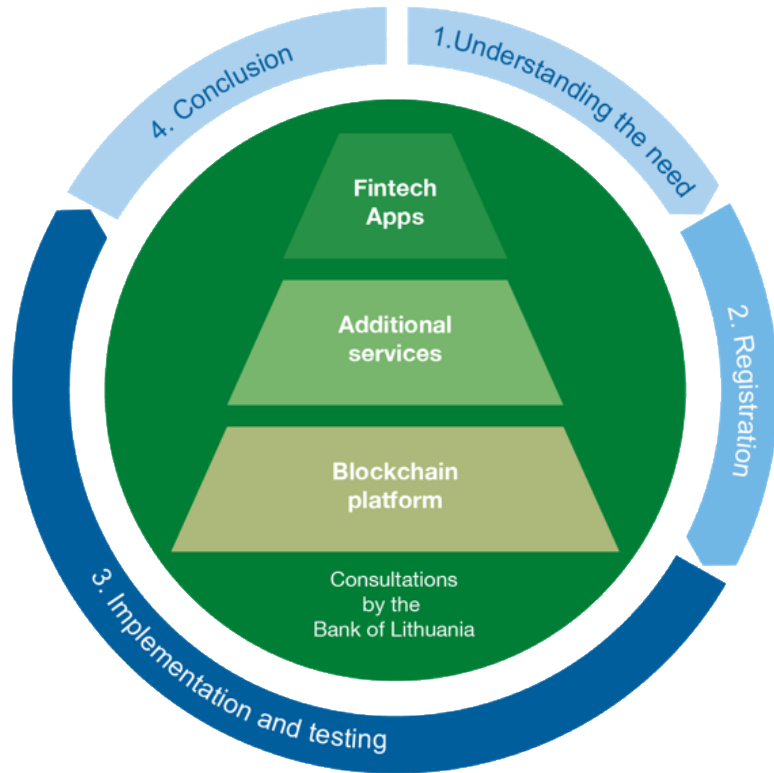
3. Prepare LBChain platform prototype



4. Demonstrate real-life blockchain use-cases



LBChain concept



- **Smooth** customer journey
- Business and regulatory **consultations** by the Bank of Lithuania
- **Technology:**
R3 Corda, Additional services, Fintech Apps

LBChain target segment and criteria

Fintech companies
in the early stage
of their blockchain product
development

Value for the
participants

Flexibility and
adaptability

Cost-effectiveness

Customer journey is based on Personas



Jonas

PM
Fintech



Antanas

PM
BoL



Eglė

Regulatory
consultant
BoL



Jakko

Technology
consultant
BoL



Anna

Test user

Fintech customer journey in milestones



Jonas
PM, fintech company

1. Understanding the requirements / needs

2. Registration and communication

Potential participant

3. Application and confirmation

Application start

Approved / Not approved

Participant

Active participant

4. Implementation and testing

Plan agreed, timestamp

Environment ready

Services requested.
Services granted / Refused

Final report

Testing completed

Testing started

Invitations sent

5. Conclusion

Waiting for closure

Closed

LBChain Management console

The screenshot displays the LBChain Management console interface. The browser address bar shows 'web-lbchain.northeurope.cloudapp.azure.com'. The navigation menu includes 'Dashboard', 'Project', 'Conversations', 'Issues', and 'Users', with 'Fintech User' logged in. The 'Conversations' section features a table with columns for Topic, Author, Replies, and Activity. The 'Issues' section features a table with columns for Topic, Author, Replies, and Activity. The 'Recent activity' section shows a list of events with Date and Activity columns.

Conversations

Topics: All Topics, My Topics

Topic	Author	Replies	Activity
Conversation Test	Fintech User	2	3 days ago
What are the guidelines for project creation?	Fintech User	1	4 days ago
Conversation Creation Guidelines	LBAdmin	11	9 minutes ago

< 1 / 1 >

Issues

Topics: All Topics, My Topics | Status: All, Opened, Closed

Topic	Author	Replies	Activity
Missing project documentation	Mister End	1	4 days ago
Blockchain Technology Stack	Fintech User	1	5 days ago

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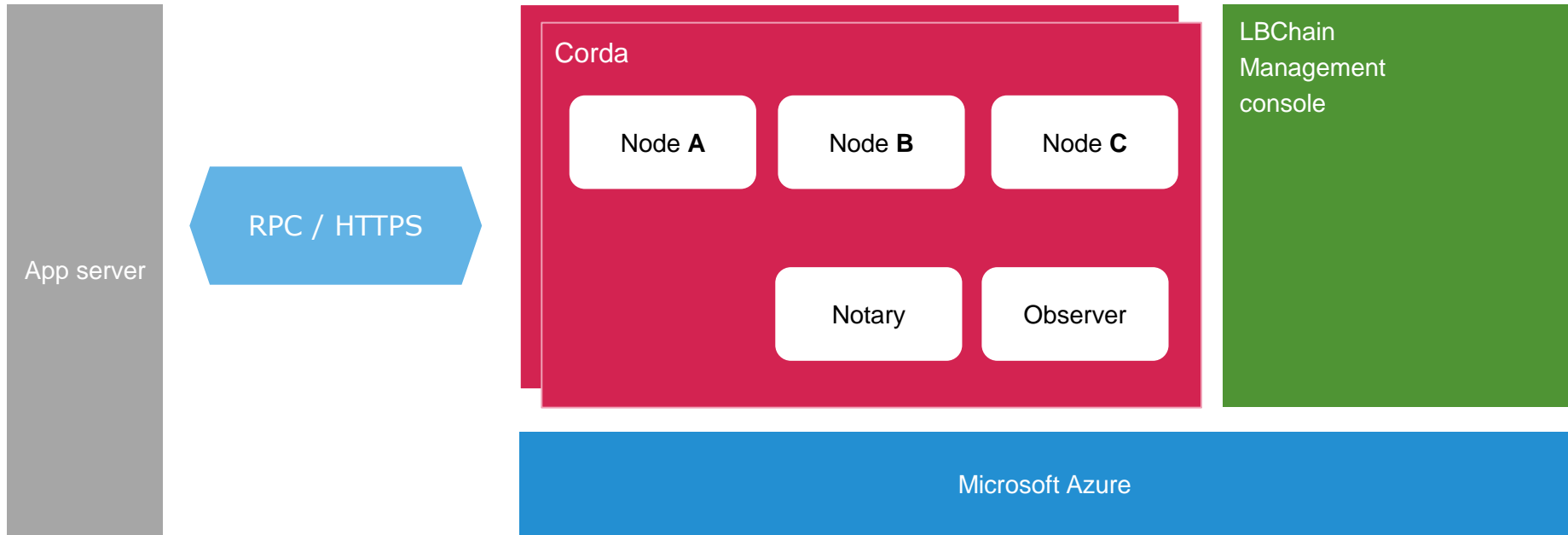
Recent activity

Date	Activity
3 days ago	Fintech User left answer conversation Conversation Test
3 days ago	Fintech User started new conversation Conversation Test
4 days ago	Fintech User started new conversation What are the guidelines for project creation?
4 days ago	Mister End started new issue Missing project documentation
5 days ago	LBAdmin updated project Blockchain
5 days ago	LBAdmin updated project Blockchain
5 days ago	Fintech User started new issue Blockchain Technology Stack

- Fintech onboarding: registration, application, approval
- Conversations
- Collaboration with testers
- Conclusion and feedback
- Project status tracking in the Bank of Lithuania view

Platform prototype

Built on R3 Corda



LBChain blockchain environment for participants

```
tieto@node1: /opt/corda/cordapps
tieto@node1:/opt/corda/cordapps$ ls -al
total 13772
drwxr-xr-x  3 corda users    4096 Aug  5 11:29 .
drwxr-xr-x 14 corda corda   4096 Aug 19 16:09 ..
drwxr-xr-x  2 corda users    4096 May 23 09:17 config
-rw-r--r--  1 root  root    13297155 Aug  5 11:29 cordite-commons-0.4.1.jar
-rw-r--r--  1 root  root     22049 Aug  5 11:29 cordite-cordapp-0.4.1.jar
-rw-r--r--  1 root  root    166464 Aug  5 11:29 cordite-env-test-0.4.1.jar
-rw-r--r--  1 root  root     2516 Aug  5 11:29 dao-contracts-states-0.4.1.jar
-rw-r--r--  1 root  root    263644 Aug  5 11:29 dao-cordapp-0.4.1.jar
-rw-r--r--  1 root  root    131027 Aug  5 11:29 dgl-contracts-states-0.4.1.jar
-rw-r--r--  1 root  root    195196 Aug  5 11:29 dgl-cordapp-0.4.1.jar
tieto@node1:/opt/corda/cordapps$
```

PuTTY Configuration

Category:

- Session
 - Logging
- Terminal
 - Keyboard
 - Bell
 - Features
- Window
 - Appearance
 - Behaviour
 - Translation
 - Selection
 - Colours
- Connection
 - Data
 - Proxy
 - Telnet
 - Rlogin
 - SSH
 - Serial

Basic options for your PuTTY session

Specify the destination you want to connect to

Host Name (or IP address) Port

Connection type:
 Raw Telnet Rlogin SSH Serial

Load, save or delete a stored session

Saved Sessions

Close window on exit:
 Always Never Only on clean exit

Fintech use cases implemented on LBChain



Well established Finnish company, developing automated solution for trading non-listed securities on blockchain

Successfully deployed and demonstrated manual trade settlement



Belgian start-up, working on payments decentralization & cash digitization using blockchain technology

Successfully deployed and demonstrated mPOS service on mobile device


What's next in Phase III?

Participating Fintechs

- Experience customer journey end-to-end
- Deploy your solution on LBCChain platform
- Test and demo your use-case

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- User testing of customer journey
- Provide technical support and consultations
- Help in testing and demo

A woman with short blonde hair, wearing a white button-down shirt and black trousers, stands in a modern, brightly lit room. She has her hands clasped in front of her. The room features a concrete floor, a wall with a grid of square windows, and several white pedestals. One pedestal in the foreground has a small object on top. The lighting is bright and even, creating a clean, professional atmosphere.

**Looking forward to continue co-creation
and testing of LBChain platform
with you in phase III**

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