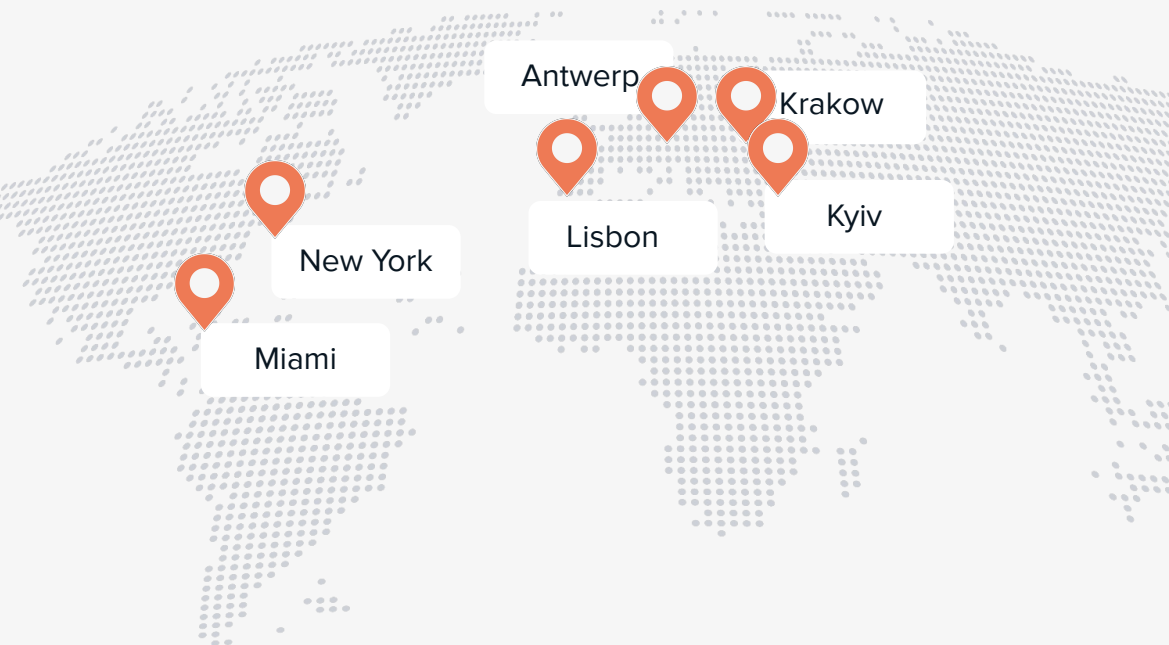


Mistakes to avoid when using Hyperledger Fabric



Company overview



15+

years of
FinTech
experience

30+

Countries
globally active

250+

Team members

400+

Projects

Company overview



Transformations need a Catalyst

Remove barriers. Build enterprise-grade blockchain networks — with high automation and guaranteed uptimes.



Blockchain, simplified

- Choose your protocol, launch applications, and onboard partners
- On Corda or Hyperledger Fabric.



Setup

Quick and highly automated processes, with a UI that abstracts away technical aspects



Maintenance

Monitoring, auto-recovery and failover mechanisms
free up time for building value-adding applications



Management

End-to-end platform to manage network, chaincode, and policy configurations

Catalyst Blockchain Platform

**Unified management & operations console**

Manage networks, organizations, consortium proposals, peers, chaincode and more

**Cloud-agnostic and multi-location deployment**

Any cloud service provider, hybrid, or on-premises hosting (no vendor lock-in), & deployment of a cluster in multiple availability zones

**Enterprise-grade security**

Integration with HashiCorp Vault and K8s Secrets to control access to all security materials and digital identities

**Reliability and monitoring**

Failover mechanisms, disaster & recovery, simplified and supported migration between versions, technical and business monitoring, integration with existing monitoring tools


**Support plans**

Highly qualified and well-equipped support and troubleshooting that exceeds industry standards

**Intuitive user interface**

Clear and consistent, including all Hyperledger Fabric and Corda Enterprise capabilities

Some Catalyst Blockchain Platform Use Cases



Programmable money
Platform

KYC platform for Bank
consortium

Inventory management and
invoicing platform for
telecommunication
consortium

Platform connecting
Product Providers and
Collective Investment
Scheme Managers

A digital share registry
platform

Supply Chain Platform
in Pharma


Not providing sufficient HLF knowledge to your team

- Onboarding technical and managerial team members is heavily underestimated
- Provide proper training process to explain key concepts of Hyperledger Fabric to your team
- Even if you use Hyperledger Management solution, Hyperledger Fabric requires knowledge for successful project implementation
- Make sure all network participants have sufficient level of understanding of the technology you use together

Setting unreasonable performance expectations

- No clear expectations in terms of performance (throughput, latency, scale)
- Balanced relationships between compute, networking and storage parameters with performance parameters.
- Make sure you actually need the high level of transactions you claim to expect (most of the use cases are successful with up to 1000 TPS)

Believing that interoperability between HLF and other protocols is possible



Various languages used by various ledgers

Different smart-contract usage among blockchain protocols

We use Daml of Fabric to give partial answer to the problem:

Once written, smart contract deploys on any ledger

Daml apps atomically connect

Different amount of data processing

Different set of transactions and transaction mechanism

Not preparing instruments for your consortium's quick growth

- Many projects start with the PoC using one organization and several nodes, hoping to have more partners or clients to join
- Convincing and onboarding clients is not a trivial task
- Consider white label SaaS platforms to allow consortium members to easily connect to the Platform that you manage

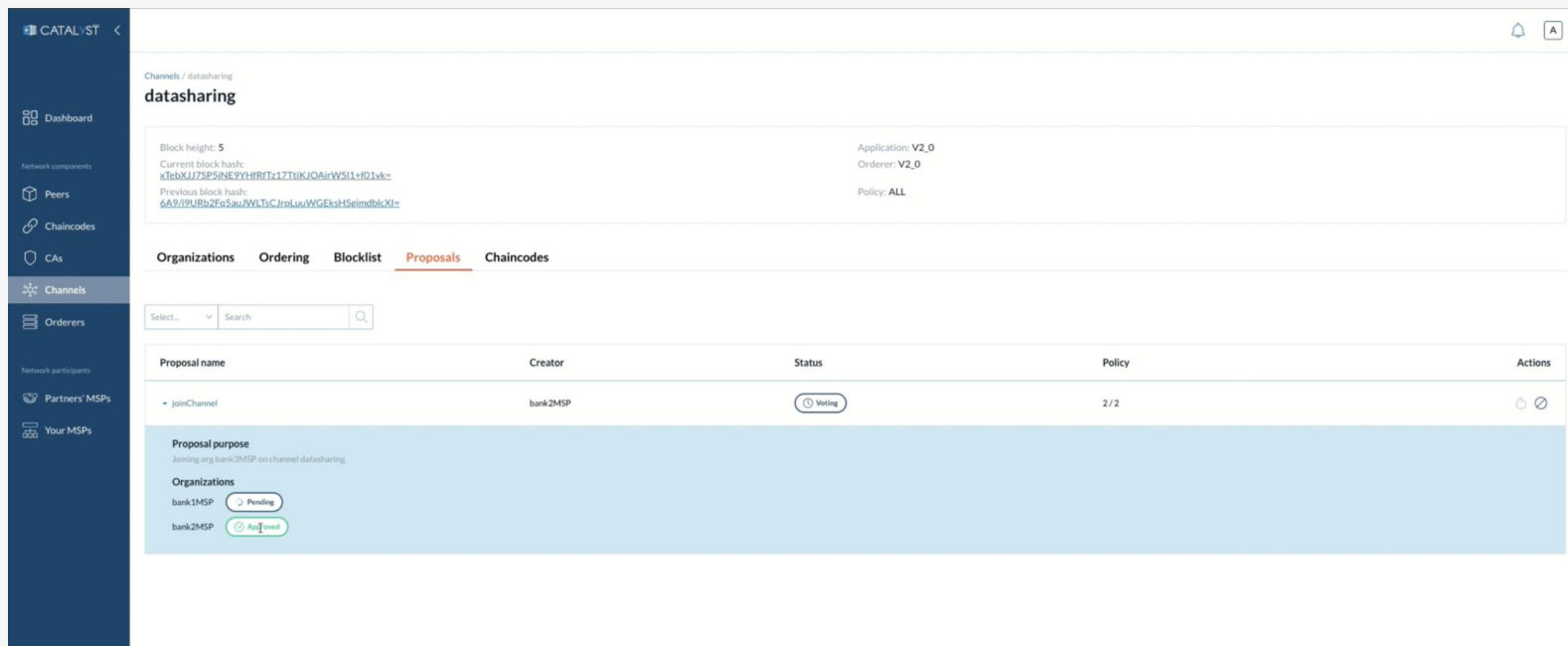
Relying on off-chain governance

- Off-chain vs on-chain governance
- Integrating Voting System simplifies the process

How Voting System helps to speed up network scaling?

The screenshot displays the Catalyst Blockchain Platform interface. On the left is a dark blue sidebar with navigation links: Dashboard, Peers, Chaincodes, CAs, Channels (selected), Orders, Partners' MSPs, and Your MSPs. The main content area is titled 'Channels / datasharing' and shows 'Block height: 3' and 'Current block hash: 0h2EzBSN5J45U+34MZ9iQDty+H6GkKP1unuVJ5+'. Below this is a table of 'Organizations' with columns 'Name' and 'Status'. The table lists 'bank1' and 'bank2'. A modal dialog titled 'Add organization' is open on the right. It contains a dropdown for 'Organization' (selected: 'bank3 | Partners'), a dropdown for 'Ordering consensers' (selected: 'orderer-node1.bank3.demo.catalyst.intel...'), and a 'Select rights' section with four options: 'Admin' (checked), 'Writer' (checked), 'Reader' (unchecked), and 'Endorser' (unchecked). Each option has a brief description of its role.

Relying on off-chain governance



The screenshot displays the Catalyst Blockchain Platform interface. On the left is a dark blue sidebar with navigation links: Dashboard, Network components (Peers, Chaincodes, CAs), Channels, Orderers, Network participants (Partners' MSPs, Your MSPs), and a top bar with the Catalyst logo and a back arrow.

The main content area is titled 'Channels / datasharing' and 'datasharing'. It shows channel details: Block height: 5, Current block hash: xTebXUJ7SP5iNEZYHRTz17TtUkJOAicW5l1+D1yk+, Previous block hash: 6A9i9URb2Fa5auJWLt5CJroLuuWGEkshSpimdbloXI+, Application: V2_0, Orderer: V2_0, and Policy: ALL.

Below the details is a tabbed interface with 'Proposals' selected. A search bar is present. The proposals table has columns: Proposal name, Creator, Status, Policy, and Actions.

| Proposal name | Creator | Status | Policy | Actions |
|---------------|----------|--------|--------|---------|
| JoinChannel | bank2MSP | Voting | 2 / 2 | 👍 🗑️ |

Below the table, the 'Proposal purpose' is detailed: 'Joining org.bank2MSP on channel datasharing'. The 'Organizations' section shows 'bank1MSP' with a 'Pending' status and 'bank2MSP' with a 'Approved' status.

Technical Q&A Session with our tech lead



Minimal usage (billing increment) of a member organization and a node is 1 month.

Thank you!



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