

# HYPERLEDGER GRUD

# Hyperledger's Supply Chain Project

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# Introducing Hyperledger Grid

#### The Problem

Lack of frameworks, components, etc in Hyperledger to rapidly build Supply Chain solutions

#### The Solution - Hyperledger Grid

Higher level abstractions than conventionally provided by the lower-level blockchain platforms

Distributed problems related to multi-party interactions, i.e. not as a replacement for internal company systems

Compositions of features required by supply chain usages

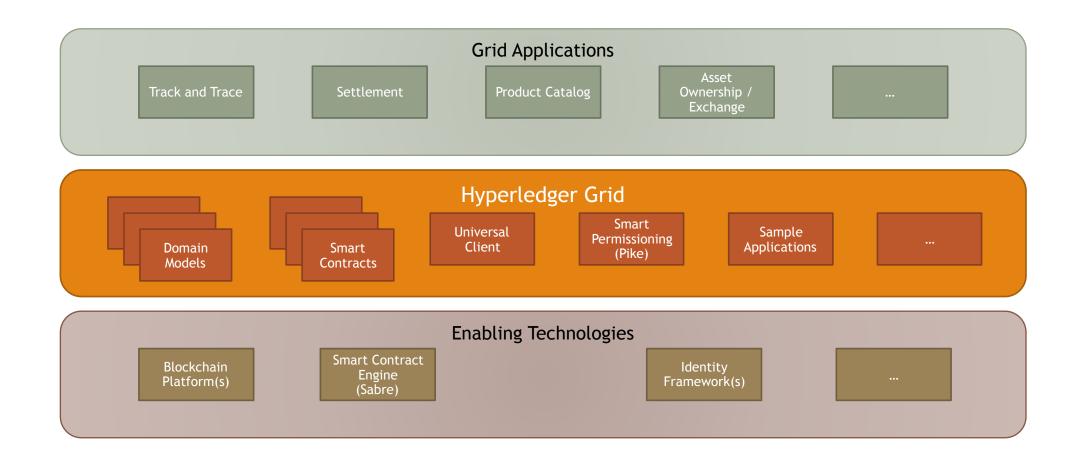
# So it's an Application?

Grid is an ecosystem of technologies, frameworks, and libraries that work together, letting application developers make the choice as to which components are most appropriate for their industry or market model.

It's not a blockchain. It uses a blockchain.

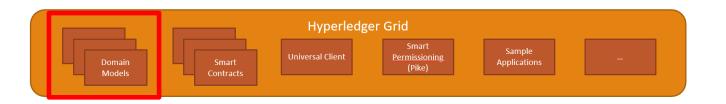
It's not an application. Developers would use Grid frameworks to build applications.

## The Stack



### **Domain Models**

- Define the "what"
- Standards based
  - GS1
  - Open Data Initiative
  - BITA
  - etc
- Early priorities
  - Identity (who)
  - Product (what)
  - Location (where)
  - Certification (sustainability, safety, etc)
- Protobuf implementations



#### **GS1** Product













The Grid Product implementation is designed for sharing product master data between participants. It is also useful to use product information as auxiliary data in other supply chain solutions. Therefore, Product becomes a reusable and important component within Grid.

https://github.com/hyperledger/grid-rfcs/pull/5

## **Business Logic**

- Define the "how"
- Prebuilt business logic, which ultimately represent various business transactions
- Early priorities
  - Product catalog
  - Product transformation
  - Batch / lot behavior
    - Location
    - Ownership
  - And more!
- Coded in Sabre smart contracts

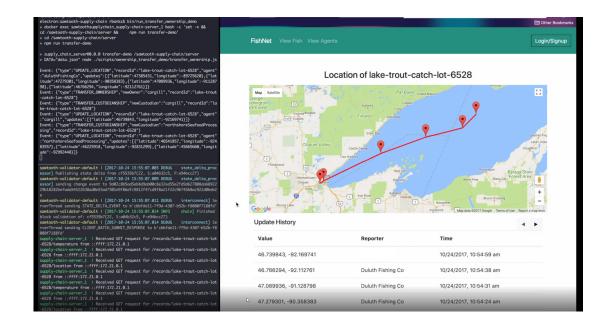


# Sample Applications

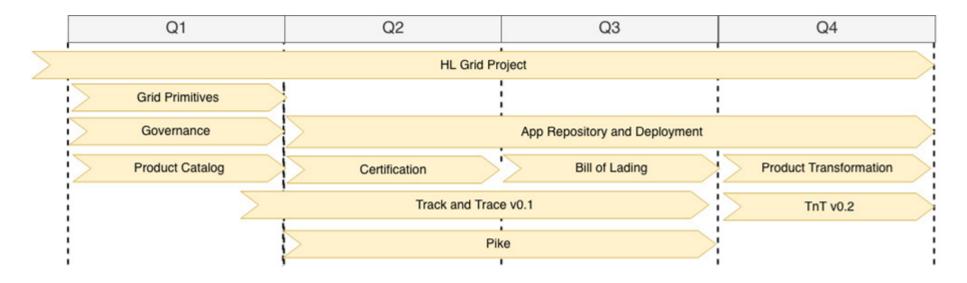
 Apps that showcase Grid compone being assembled into an application



Track and Trace is first up



# Roadmap



### Look at All These Links!

```
Website - <a href="https://grid.hyperledger.org/">https://grid.hyperledger.org/</a>
Grid Repo - <a href="https://github.com/hyperledger/grid-website">https://github.com/hyperledger/grid-website</a>
Grid RFC Repo - <a href="https://github.com/hyperledger/grid-rfcs/">https://github.com/hyperledger/grid-rfcs/</a>
Grid Contrib Repo - <a href="https://github.com/hyperledger/grid-contrib/">https://github.com/hyperledger/grid-contrib/</a>
Jira - <a href="https://jira.hyperledger.org/projects/GRID/issues/">https://jira.hyperledger.org/projects/GRID/issues/</a>
Mailing List - <a href="https://chat.hyperledger.org/g/grid/topics">https://chat.hyperledger.org/g/grid/topics</a>
Chat - <a href="https://chat.hyperledger.org/projects/grid">https://chat.hyperledger.org/projects/grid</a>
Project Page - <a href="https://www.hyperledger.org/projects/grid">https://www.hyperledger.org/projects/grid</a>
```

# Thanks