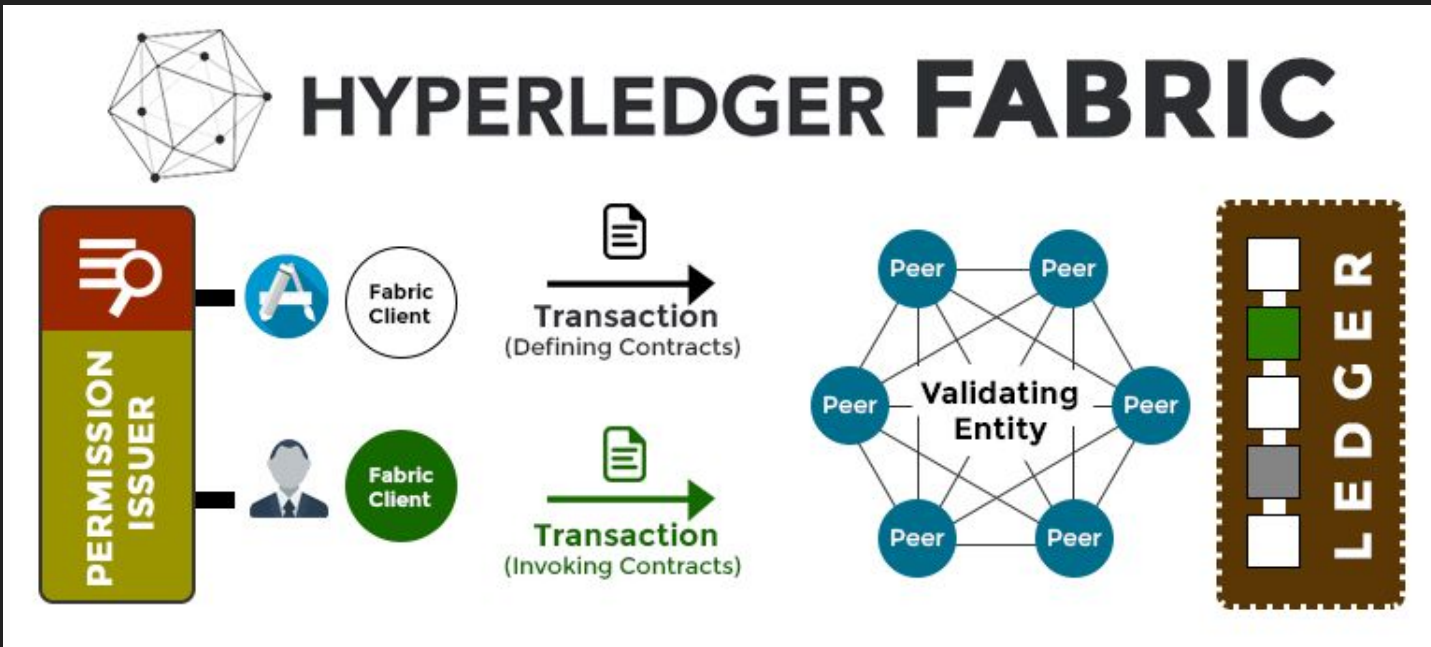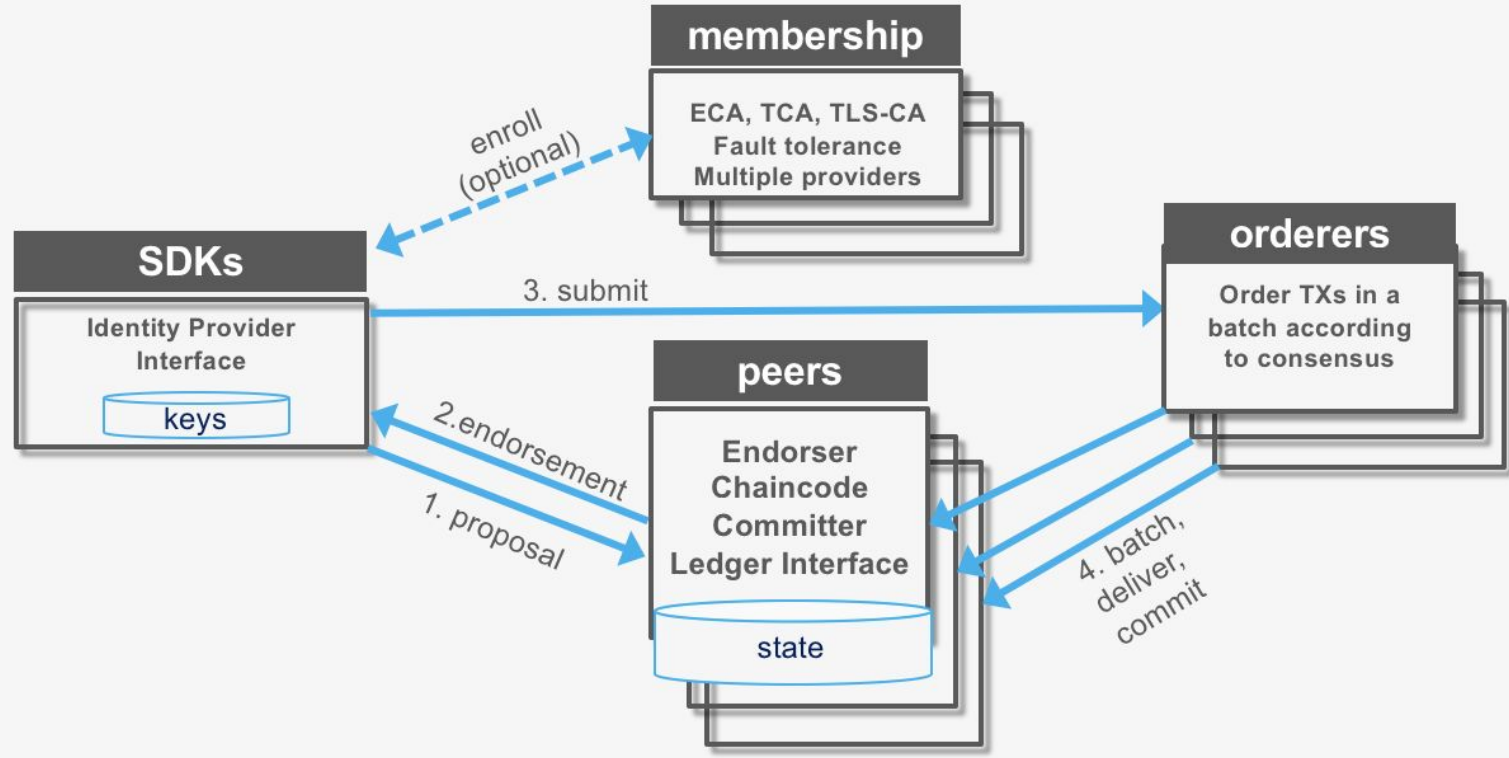# Hyperledger Fabric and Composer

Hyperledger Fabric

- Permissioned blockchain
- Pluggable structure
- Confidential transactions

- No cryptocurrency
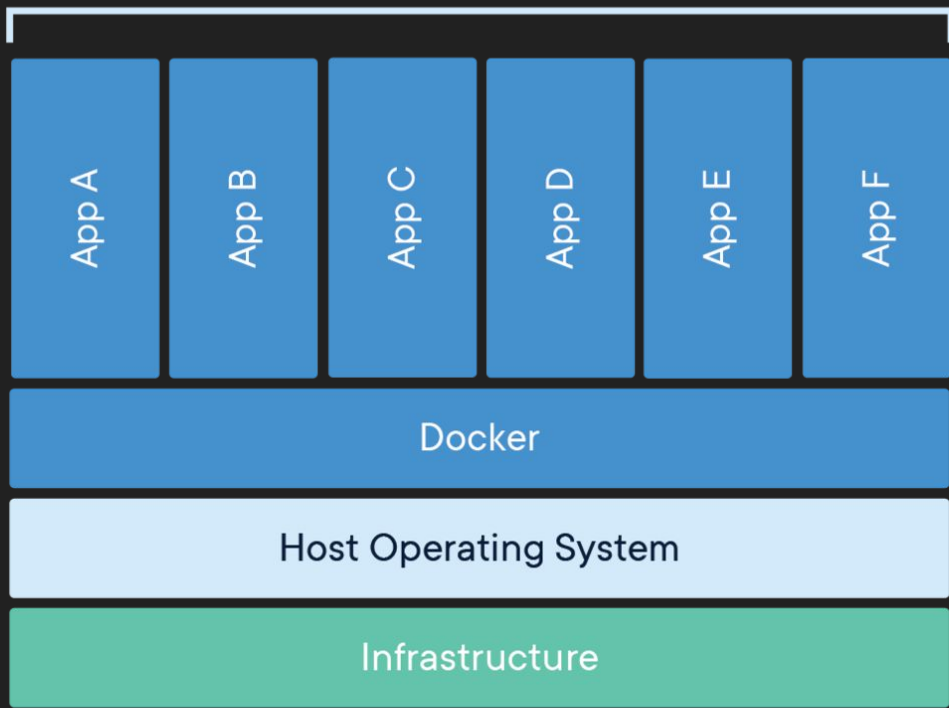- Programmable

Fabric transaction flow

Docker

- Docker is being used to mount Fabric
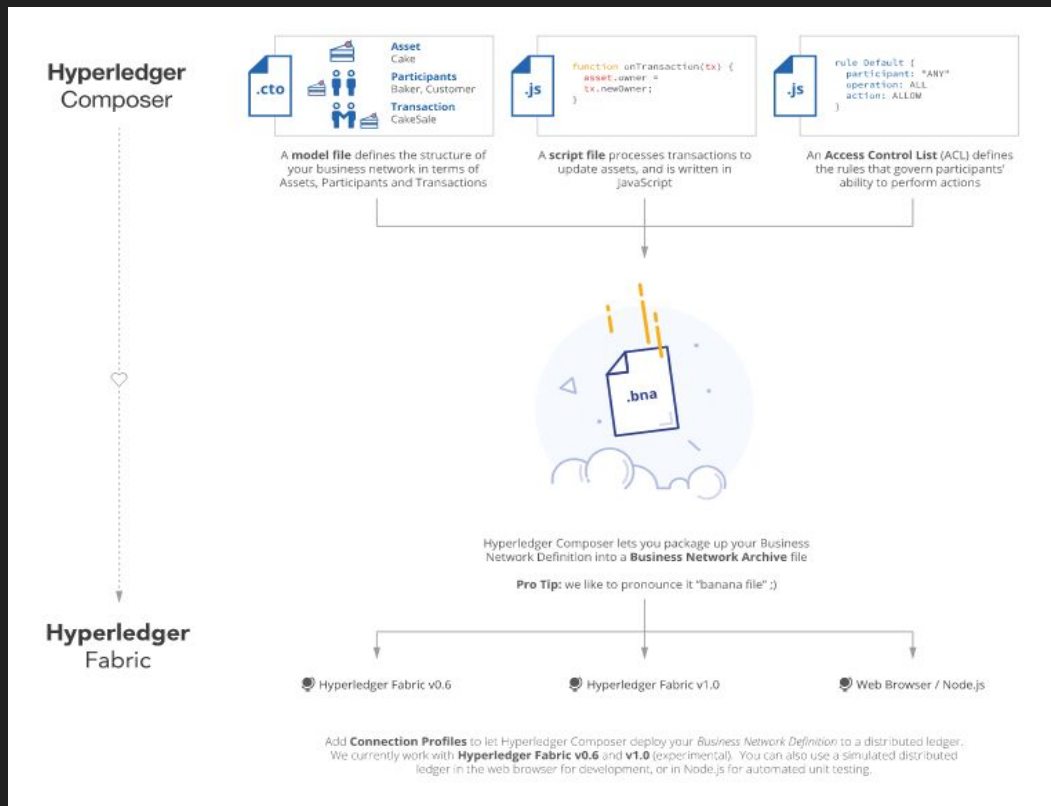- Every node is put into a container

Containerized Applications

App A	App B	App C	App D	App E	App F

Docker

Host Operating System

Infrastructure

Hyperledger Composer

- It was aiming for creating blockchain agnostic business networks (with primary implementing on Fabric)
- Easy to use
- Creating business network out of 3 files : Model file, Logic file (JS) and Permissions file, it has Query files as well if needed

Composer to Fabric flow

VS Code

- IDE(Integrated Development Environment) / Text editor
- Has plugins for Hyperledger Composer and Docker
- Makes your life easier while developing a business network and then examining and inspecting different Fabric components.

Hyperledger online Composer playground

- https://composer-playground.mybluemix.net/editor
- Easy to use and to test out your business concept and model
- THE BUSINESS NETWORK MAY BEHAVE DIFFERENTLY WHEN IMPLEMENTED ON FABRIC

Resources:

- https://mobisoftinfotech.com/resources/blog/hyperledger-fabric-and-hyperledger-composer-introduction-to-the-permissioned-blockchain-framework/
- https://hyperledger.github.io/composer/v0.19/tutorials/developer-tutorial
- https://hyperledger-fabric.readthedocs.io/en/latest/
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