Development Components

In this lesson, we will take a look at how components are used to deploy a network.
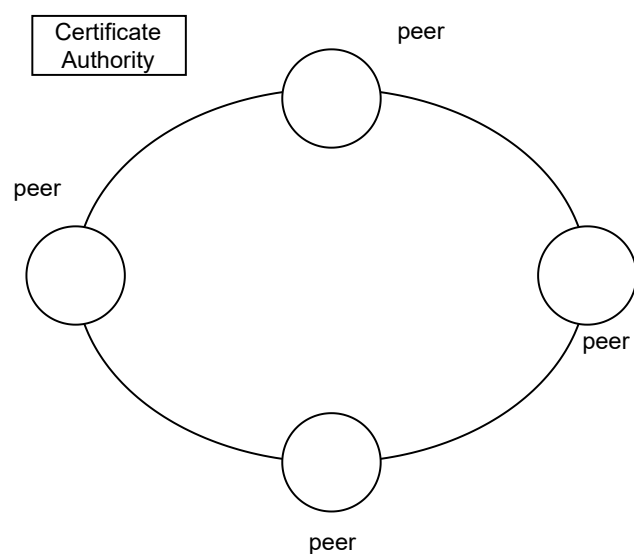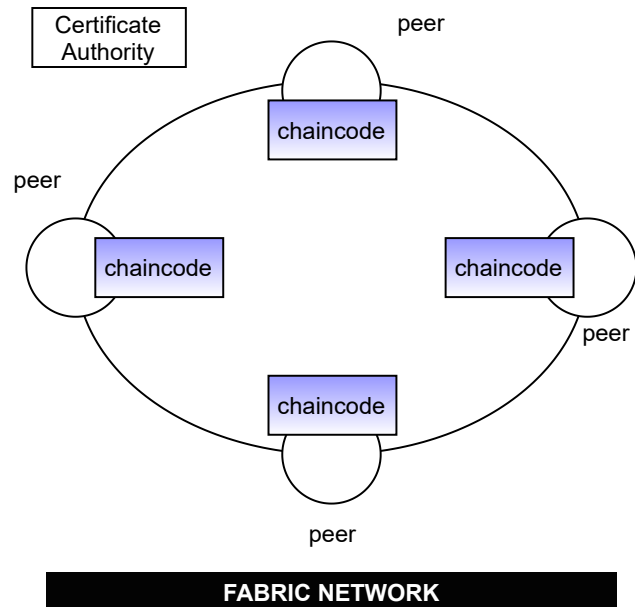
> **WE'LL COVER THE FOLLOWING** ⌃
>
> - Deploying a network

There are 3 main development components for a basic end-to-end development flow:

1. Configure a `dev network`
2. Write and deploy `chaincode` on the `dev network`
3. Write application code that can invoke chaincode transactions on dev network.

2. Write and deploy chaincode

Certificate Authority

peer

chaincode

peer

chaincode

chaincode

peer

chaincode

peer

FABRIC NETWORK

3. Create Client Application through which users interact to blockchain

User A

Client App

User B

CLIENT APP

Certificate Authority

peer

chaincode

peer

chaincode

chaincode

peer

chaincode

peer

FABRIC NETWORK
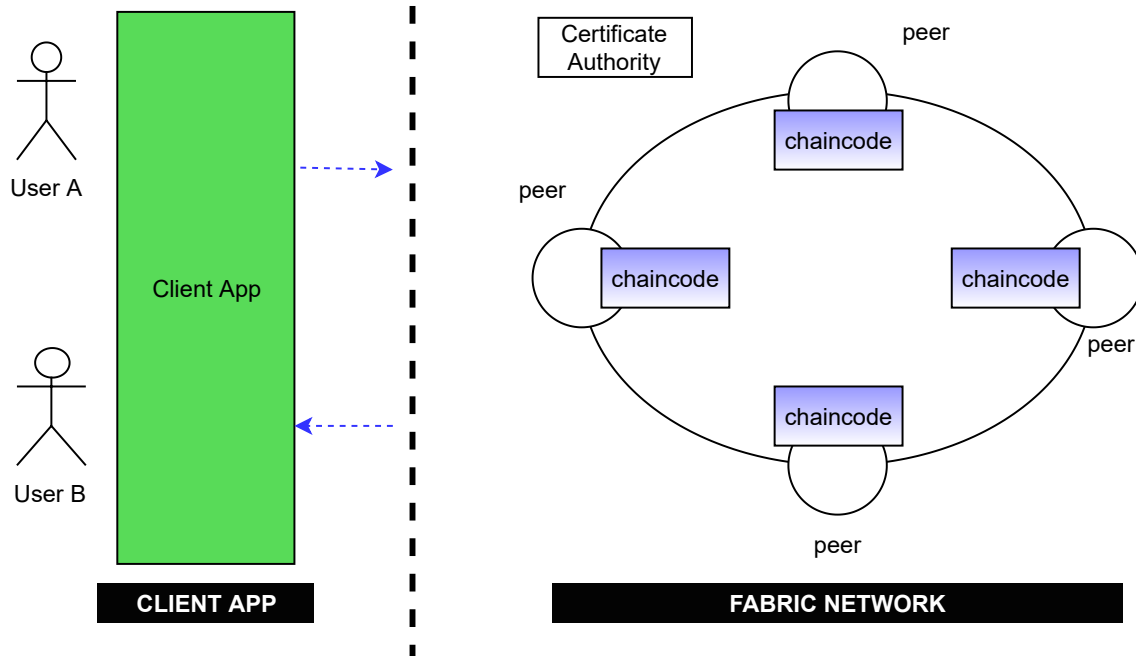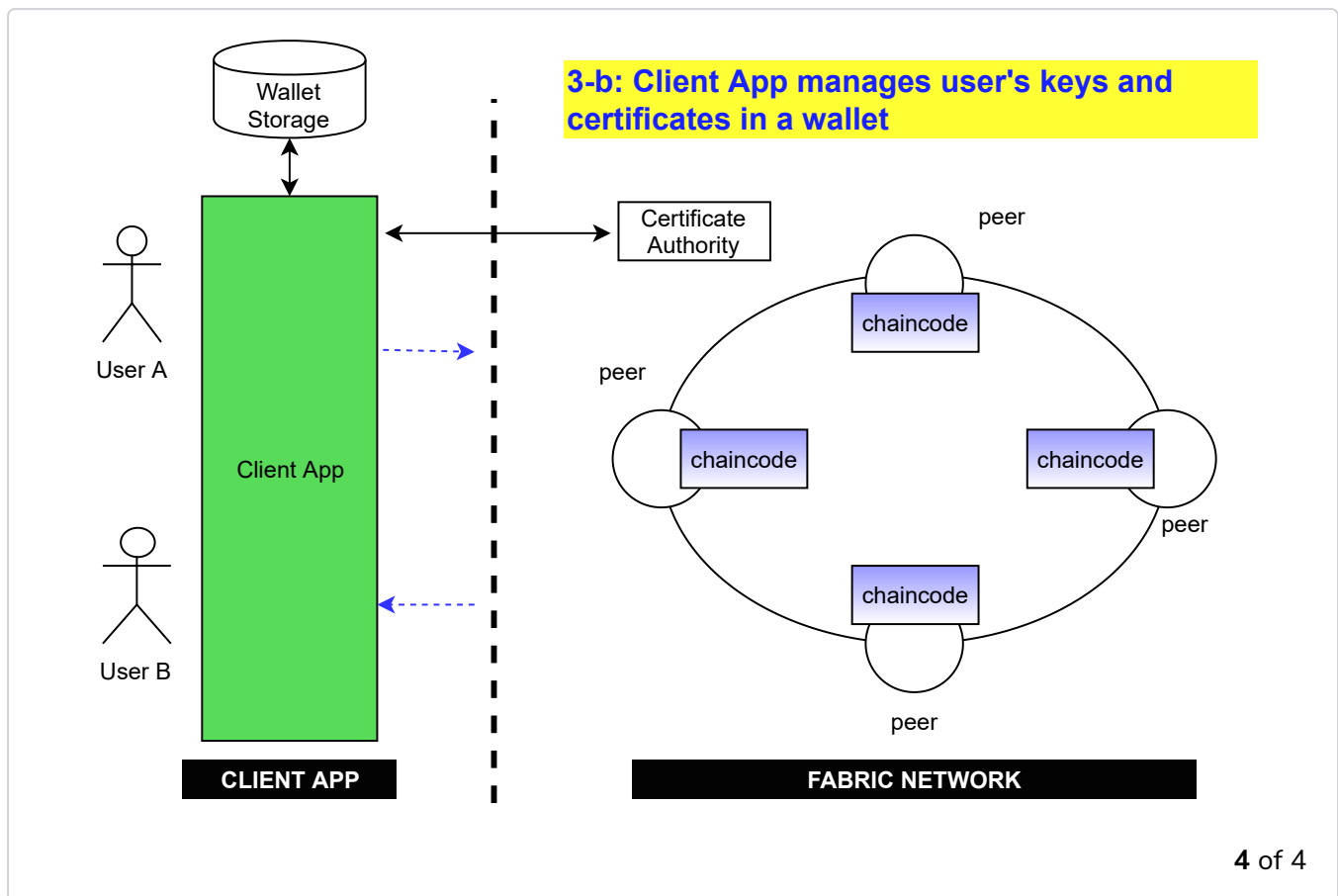
Deploying a network

Typically a network architect and network operator will deploy a network which will be distributed on multiple machines that are connected.

For development purposes however, we can launch a simple network on our developer's local machine so we can test our code on it.

The developer would first:

1. Deploy a basic network on their local machine
2. Write chaincode. Deploy their chaincode on his basic network
3. Write application code that invokes the chaincode they deployed.

In the next chapter, we will deploy our very own Fabric network.