**Prerequisites**

1. Javascript & Node.js@14.16.1 (newer versions probably work too)
2. Get an IDE, we used *JetBrains WebStorm*, alternatively *Visual Studio Code*.

**Pulling and starting the Chrysalis App:**

1. Pull these Repositories:
   1. *CHRYSALIS* (main branch for the running version, webpack-upgrade branch alternatively, but that one is broken currently)
   2. *enzian-yellow* (main branch for the running version, hyperledger branch alternatively)
   3. *chrysalis-server (main)*
   4. *enzian-yellow-hyperledger-chaincode* (if you want to use the HL branches)
2. in enzian-yellow:
   1. run “npm install”
   2. , then “npm run build” (might be skippable? If not, you might have to re-run this to apply changes for linked projects)
   3. , then “npm link”
3. in chrysalis:
   1. remove enzian-yellow dependency if it exists (from package.json)
   2. run “npm link enzian-yellow” 🡪 this sym-links enzian-yellow as a dependency into chrysalis, so changes will immediately affect chrysalis without having to re-install (however dependencies aren’t propagated upwards this way!)
   3. “npm install”
4. run ‘npm install’ on chrysalis-server (and on enzian-yellow-hyperledger-chaincode if used)
5. To start the Persistence-Layer, make sure you’ve followed the steps described in the section ‘**Persistence Layer**’, then execute ‘npm run dev’ inside the *chrysalis-server* repository.
   1. Make sure that the *chrysalis-server* app port and the configured port in *chrysalis* coincide.
6. To start an Ethereum-Instance on your System, follow the steps in the section ‘**Ethereum**’.
   1. TODO connecting to it and initialization
7. Having followed these steps, you should now be able to start the *chrysalis* app by executing ‘npm run start’ at the project root of *chrysalis*. The CLI should then give you the IP/Port address, at which your browser can reach the app

**Persistence Layer:**

Please refer to the file “README.md” of the chrysalis-server repository!

**Ethereum:**

1. Create a new Ethereum Network: You only have to do this the first time

**Hyperledger:**

**Warning: TODO**

1. **Setup the Hyperledger test-network** as explained here: TODO LINK
   1. We used version 2.2 – your experience and compatibility might suffer if you use a different one.
2. Play around with the network a bit, as the tutorials also suggest (they’ll show you how Chaincode is deployed, invoked and so on)
3. **Deploy** the enzian-yellow-chaincode:
   1. TODO