**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, hyperledger branch alternatively)
   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. run ‘npm install’ on all project roots
3. check *chrysalis/package.json*: Is there a fitting enzian-yellow dependency? If so, you’re good. If you want to install a local version, here’s how:
   1. in the enzian-yellow folder: ‘npm run build’, then ‘npm link’.
   2. In chrysalis: ‘npm link enzian-yellow’. This creates a symlink to your project
   3. If your local version changes, you might need to rerun ‘npm run build’.
4. 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 (a JSON endpoint) and the configured port in *chrysalis* coincide.
5. To start an Ethereum-Instance on your System, follow the steps in the section ‘**Ethereum**’.
6. To start a Hyperledger Testnetwork, follow the steps in the section ‘**Hyperledger**’
   1. **WARNING**: at the time this was written, the *chrysalis* app would not run due to compiler issues, when the *hyperledger* branch of *enzian-yellow* was installed. The branch itself is working and can be tested, but *chrysalis* doesn’t integrate it properly.
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:**

**Ethereum:**

**Hyperledger:**