

Writing Smart Contracts

02 Tool Setup

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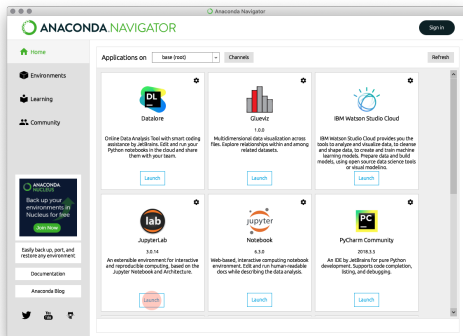
Supported by the Algorand Foundation

Anaconda

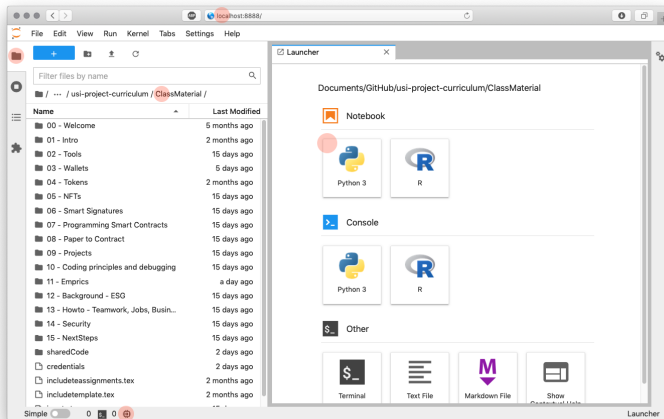
(1) Get Anaconda

- <https://www.anaconda.com/products/individual>
- No need to register or create an account
- No need for Cloud Notebooks
- Download and install Anaconda

(2) Anaconda Navigator



A quick intro to Jupyterlab



- Notebook (text+code+results)
- Access with browser
- Markdown language
→ 02_WSC_JupyterLab.ipynb
- Run Python in notebook
→ 02_WSC_Python.ipynb
- Files in current directory
- Jupyter = Julia/Python/R

Pera Algo Wallet App – Install

iOS



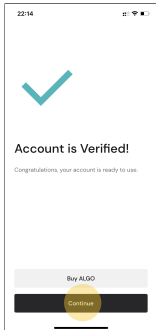
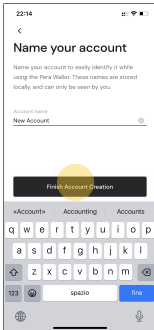
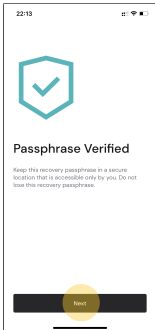
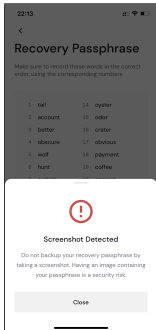
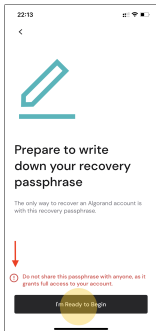
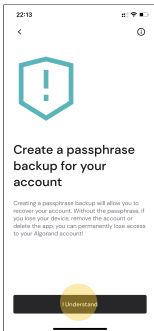
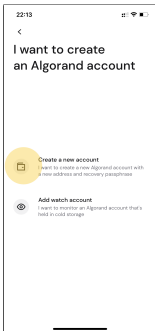
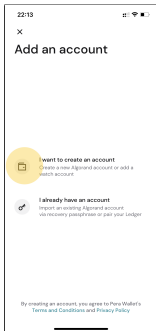
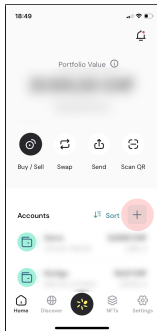
Android



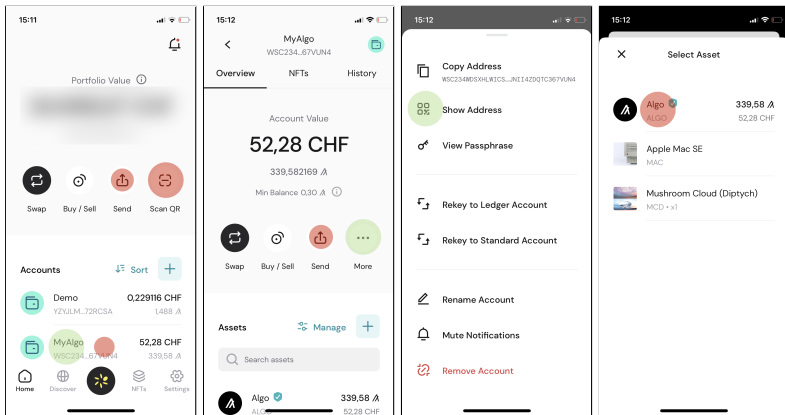
<https://apps.apple.com/at/app/algorand-wallet/id1459898525?l=en>

<https://play.google.com/store/apps/details?id=com.algorand.android&hl=en&gl=US>

- Create an account (prepare a piece of paper for the passphrase)
- Transfer 1 ALGO to your neighbour



Pera Wallet App – Make a transfer



RED = send, GREEN = receive

Testnet: Cogwheel / Developer Settings / Node Settings / TestNet (orange bar)

Toolstack

Locally installed

- Anaconda
 - ▶ JupyterLab (access via browser)
 - ▶ Python + Algorand SDK Library + PyTEAL
- Pera Algo Wallet App for iOS/Android

API-Access

- `https://algonode.io`
 - ▶ Read blockchain data, submit transactions

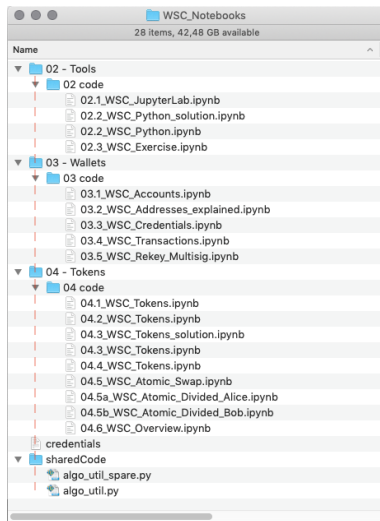
Web-Access

- `https://explorer.perawallet.app` (simple)
- `https://app.dappflow.org/dashboard` (complex)

Cloud

- `https://www.pythonanywhere.com`
 - ▶ Host web3 apps written in Python

Folder structure notebooks



Do not change this structure! Add new folders in correct level.