Writing Smart Contracts 02 Tool Setup

Peter H. Gruber

Supported by the Algorand Foundation

Anaconda

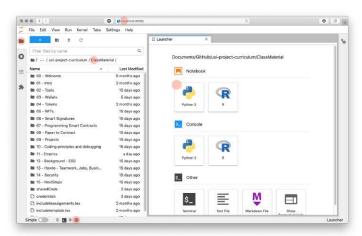
(1) Get Anaconda

- 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



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





Laiready have an account

22:13





Create a passphrase

Creating a passphrase backup will allow you to

backup for your account



22:13

Prepare to write down your recovery passphrase

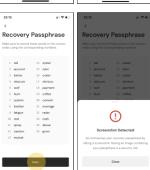
The only way to recover an Algorand account is with this recovery passights as.

On not share this passights with anyon, as it



Add watch account





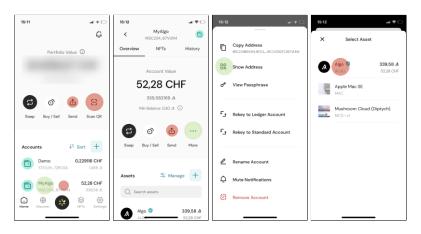




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Pera Wallet App - Make a transfer



RED = send, GREEN = receive

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

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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

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Folder structure notebooks



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