

Ethereum Wallets and Contracts

READING TASK | 5

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* Ethereum Wallet: Working & Installation and how to setup the Ethereum Wallet
  + Intro: What is MetasMask: <https://www.youtube.com/watch?v=YVgfHZMFFFQ>
  + Download MetaMask <https://metamask.io/>
  + Installation Guide: <https://blog.wetrust.io/how-to-install-and-use-metamask-7210720ca047>
* Internal working of the wallet
  + MetaMask settings
  + Contacts
  + Add token support
  + Buy crypto on MetaMask
  + MetaMask token swaps
  + How to connect wallet to MetaMask
  + Send/receive on MetaMask
  + Edit transactions
  + <https://www.youtube.com/watch?v=Af_lQ1zUnoM>
* Light Client SYNChronization - (differentiate light/full node)
  + <https://ethereum.org/en/developers/docs/nodes-and-clients/>
  + <https://ethdocs.org/en/latest/ethereum-clients/index.html>
  + WHAT ARE NODES AND CLIENTS?
    - Node Types
      * Light
      * Full
      * Archive
* Where to get Ethers?
  + Faucet Ethers
    - Ropeston Faucet Ethers: <https://faucet.ropsten.be/>
    - Rinkeby Faucets: <https://faucet.rinkeby.io>
    - Metamask Faucet: <https://faucet.metamask.io/>
* Ethereum Wallet: Mining and Sending Ethers
  + <https://ethdocs.org/en/latest/ether.html>
  + <https://ethdocs.org/en/latest/mining.html>
* Externally Owned accounts and contract accounts
  + <https://ethereum.org/en/developers/docs/accounts/>
* Managing Contracts with Wallet
  + <https://ethdocs.org/en/latest/contracts-and-transactions/contracts.html>
    - What is a contract?
    - Ethereum high level languages
    - Writing a contract
    - Compiling a contract
    - Create and deploy a contract
    - Interacting with a contract
    - Contract metadata
    - Testing contracts and transactions
* Metamask Docs:
  + <https://docs.metamask.io/guide/#why-metamask>
* Browser Solidity for developing contracts
  + <https://remix-ide.readthedocs.io/en/latest/>
  + <https://remix-ide.readthedocs.io/en/latest/create_deploy.html>
    - Creating a contract
    - Compiling and Deploying
    - Interacting with contract