



SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A' Grade

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

COURSE NAME: 190E201-Blockchain Technology

IV YEAR /VII SEMESTER

Unit 2- CRYPTOCURRENCY

Topic : Types of Blockchain Wallets

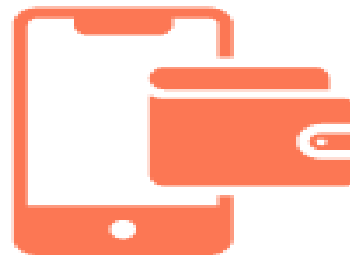


Types of Blockchain Wallets

A blockchain or crypto wallet is a way to manage, secure, and use cryptocurrencies such as Bitcoin (BTC -4.03%) and Ethereum (ETH -4.57%)



Desktop wallets



Mobile wallets



Cold wallets/
Hot wallets



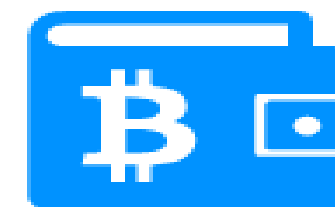
Online web wallets



Paper wallets



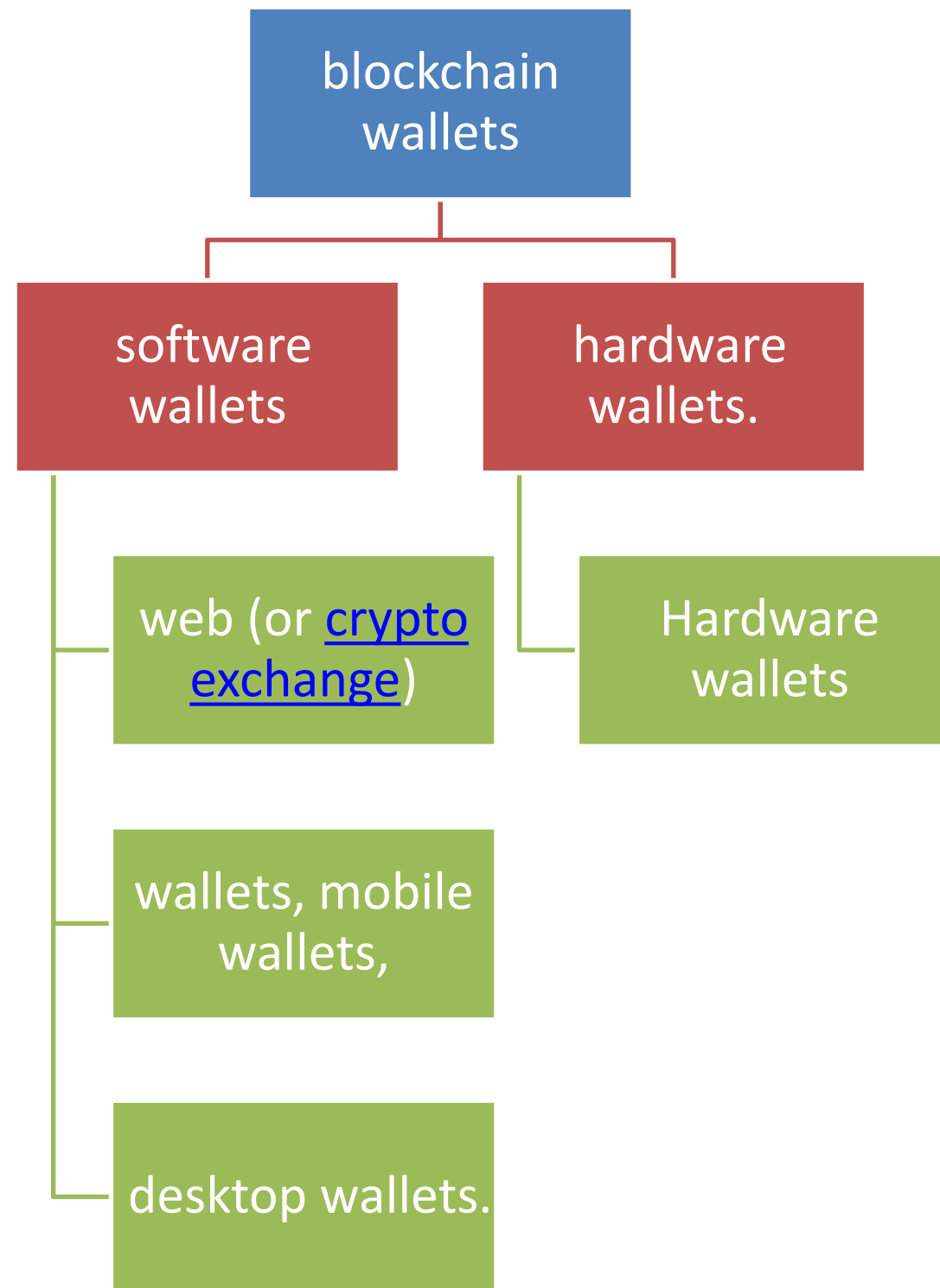
Hardware wallets



Bitcoin wallets

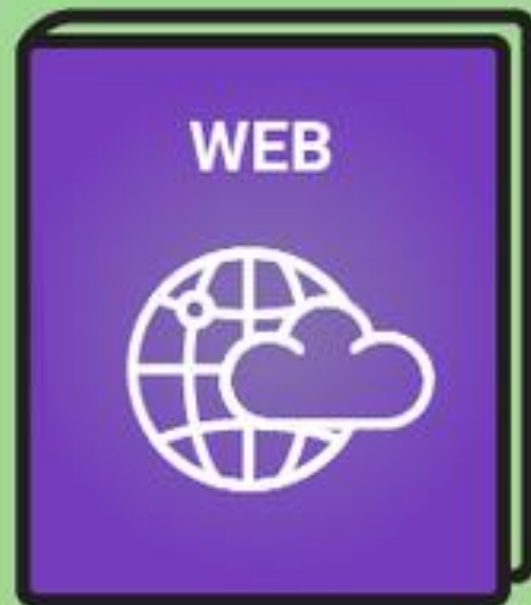


Types of wallets



Types of wallets

Types of software wallets include web (or crypto exchange) wallets, mobile wallets, and desktop wallets. A hardware wallet is a physical device that secures access to your cryptos offline.



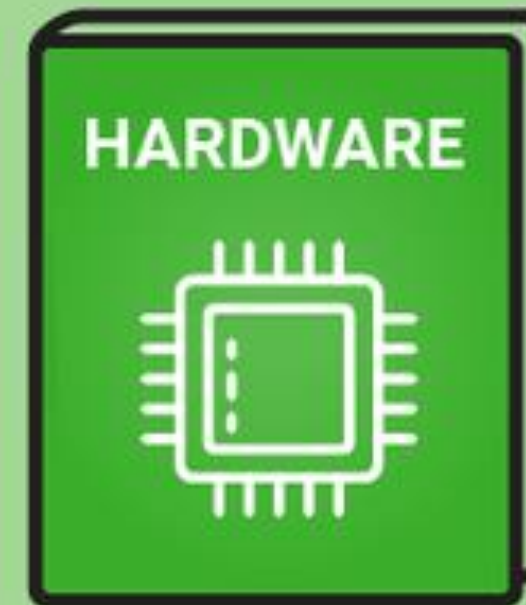
Hosted by an
Exchange



Software on a
Smartphone or Tablet



Software for
PC Users



Access to Your
Cryptos Stored Offline



Web-based wallets

- These are easy-to-use wallets like those hosted by an exchange where you can buy and sell cryptocurrencies.
- Security keys are stored and managed by the wallet provider themselves.
- Used for managing crypto transactions and purchasing cryptos easily



Mobile wallets



- A mobile wallet is software on a smartphone or tablet.
- Some of these apps are non-hosted
- Mobile wallets often provide hot storage since they can be linked to an exchange
- some may provide added security with offline options (known as cold storage).



Desktop wallets

- A desktop wallet is software for PC users.
- Examples of desktop-based wallets include MetaMask, Exodus, and Electrum.
- Many of these blockchain wallets offer cold storage options for added security.



Hardware wallets

- A hardware wallet takes security a step further and allows for access to your cryptos to be stored on an offline piece of hardware.
- The wallet can be connected to a computer via USB or other port to facilitate transfers and transactions
- This offers the highest level of security.
- Popular hardware wallets are made by Ledger and Trezor.



References



TEXT BOOKS

1. Mastering Bitcoin: Unlocking Digital Cryptocurrencies, by Andreas M Antonopoulos 2018
2. Imran Bashir, “Mastering Blockchain: Distributed Ledger Technology, Decentralization and Smart Contracts Explained”, Second Edition, Packt Publishing, 2018.
3. <https://101blockchains.com/blockchain-vs-database-the-difference/>

REFERENCES

1. William Mougayar, “Business Blockchain Promise, Practice and Application of the Next Internet Technology, John Wiley & Sons 2016.
2. Josh Thompson, ‘Blockchain: The Blockchain for Beginnings, Guild to Blockchain Technology and Blockchain Programming’, Create Space Independent Publishing Platform, 2017.
3. Arvind Narayanan, “Bitcoin and Cryptocurrency Technologies: A Comprehensive Introduction”, Princeton University Press, July 19, 2016.
4. Henning Diedrich, Ethereum: Block chains, Digital Assets, Smart Contracts, Decentralized Autonomous Organizations-2016

Thank You