



# **SNS COLLEGE OF ENGINEERING**

Kurumbapalayam (Po), Coimbatore – 641 107

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## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

### **COURSE NAME: 19CS622-Blockchain Technology**

III YEAR /VI SEMESTER

Unit 2- CRYPTOCURRENCY

Topic : Types of Block chain Wallets

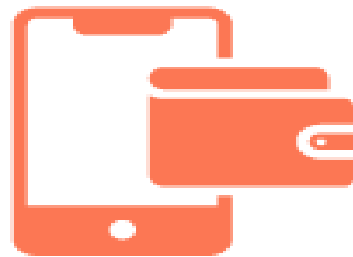


# Types of Blockchain Wallets

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%)



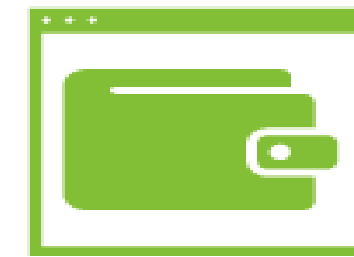
Desktop wallets



Mobile wallets



Cold wallets/  
Hot wallets



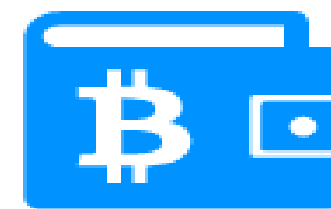
Online web wallets



Paper wallets

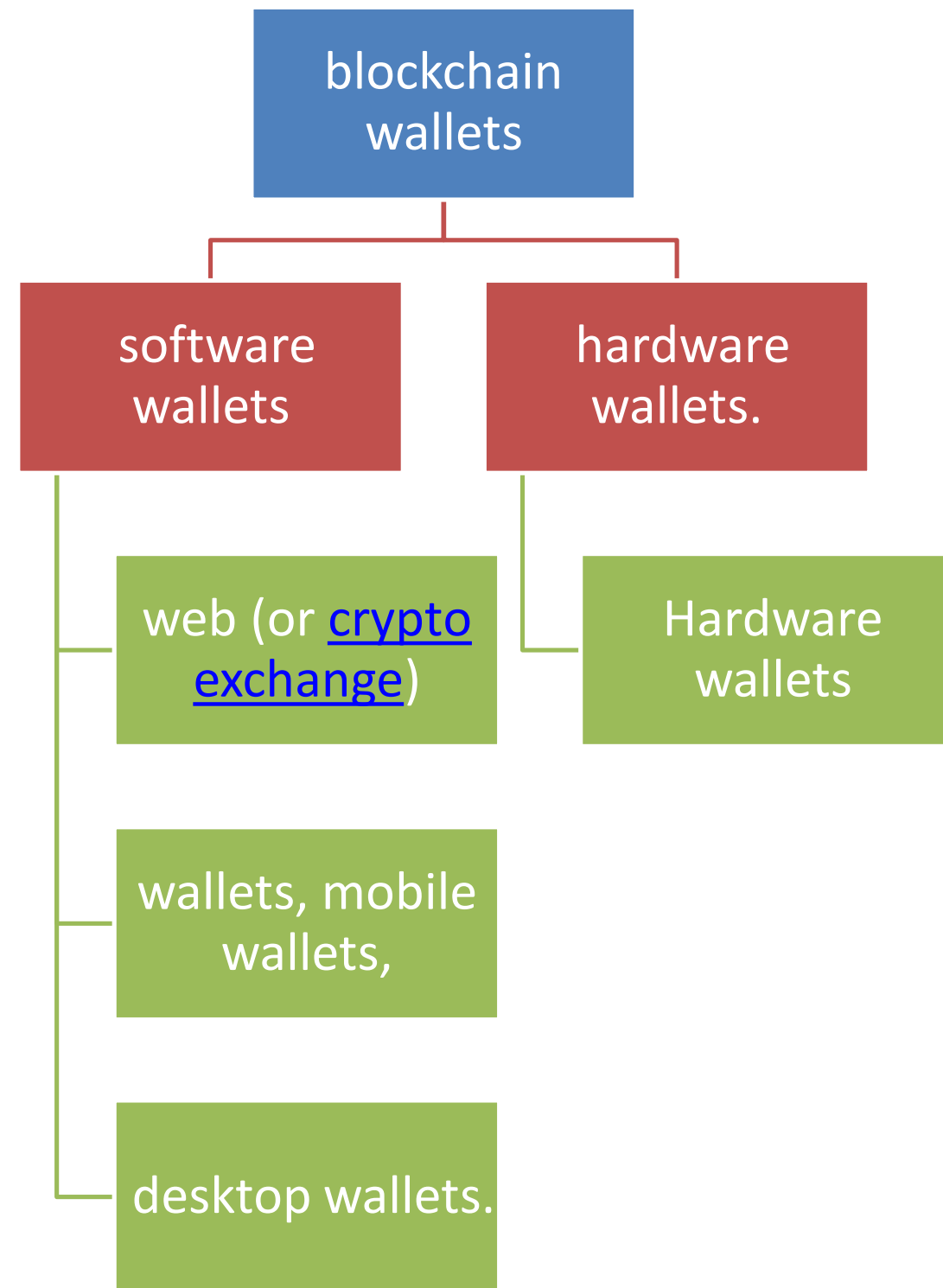


Hardware wallets



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.



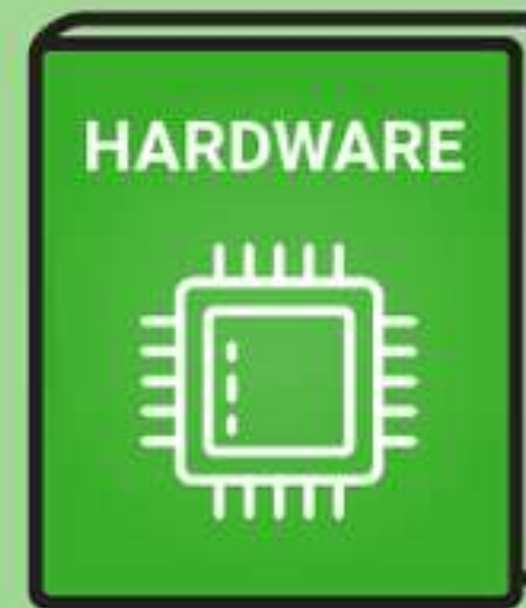
Hosted by an  
Exchange



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

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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