

Let's learn about *bitcoin*

Multisig basics

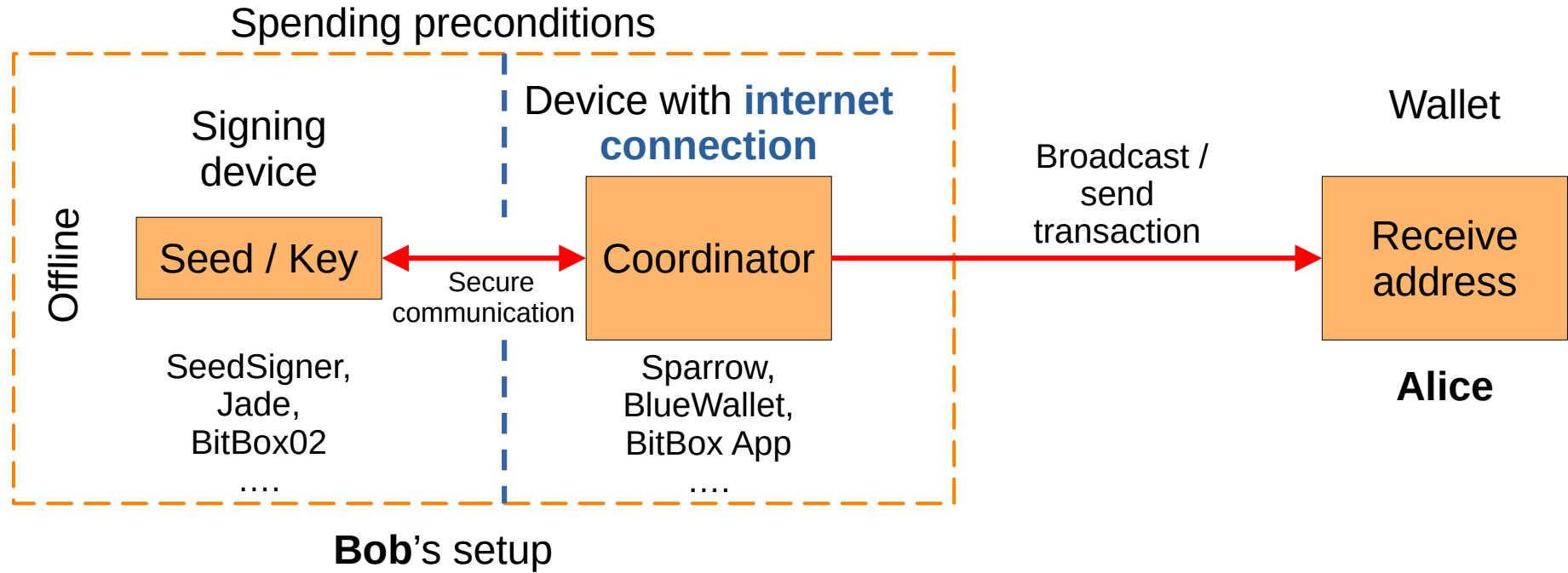


Introduction

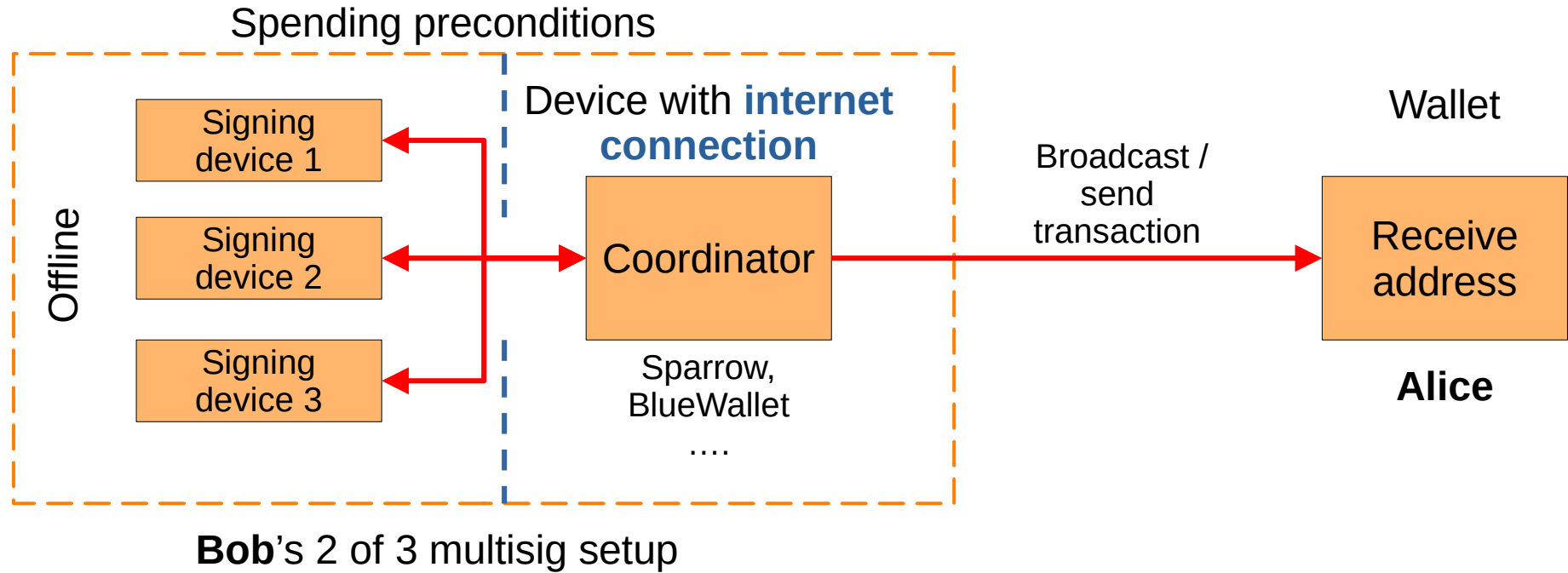
- Not an expert
- Have fun
- Ask questions
- Share your knowledge
- **Don't trust, verify!**



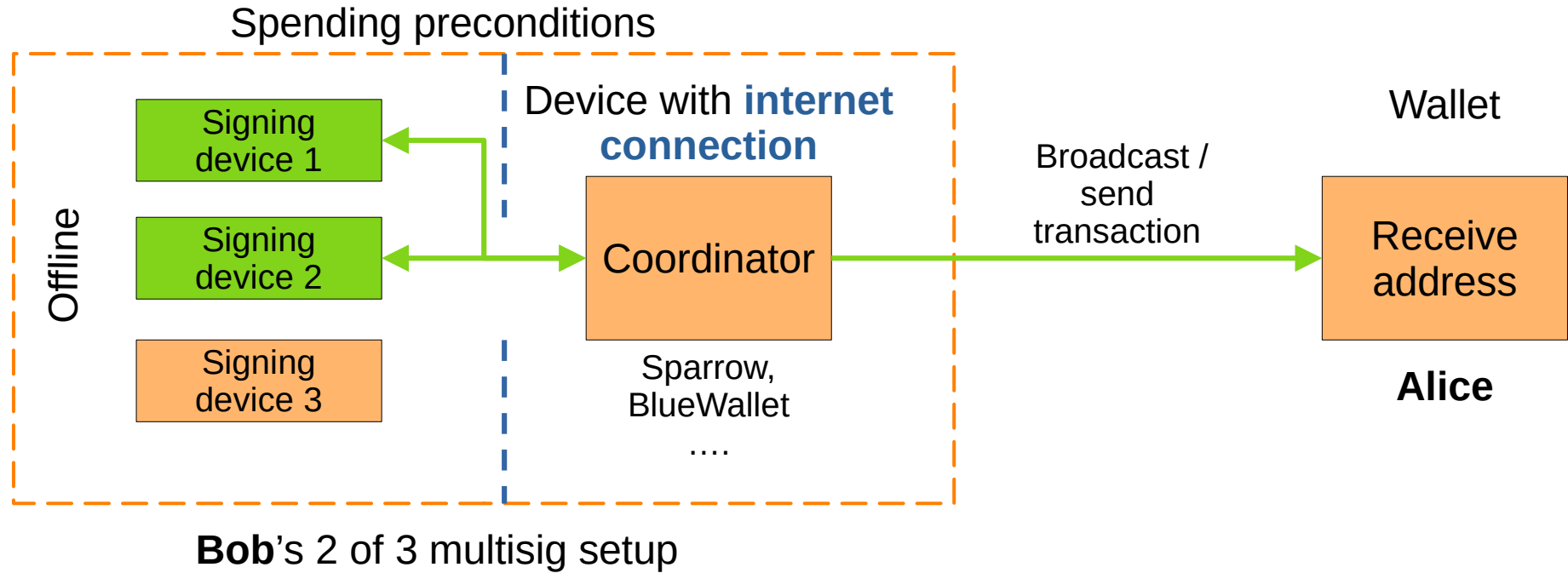
Singlesig



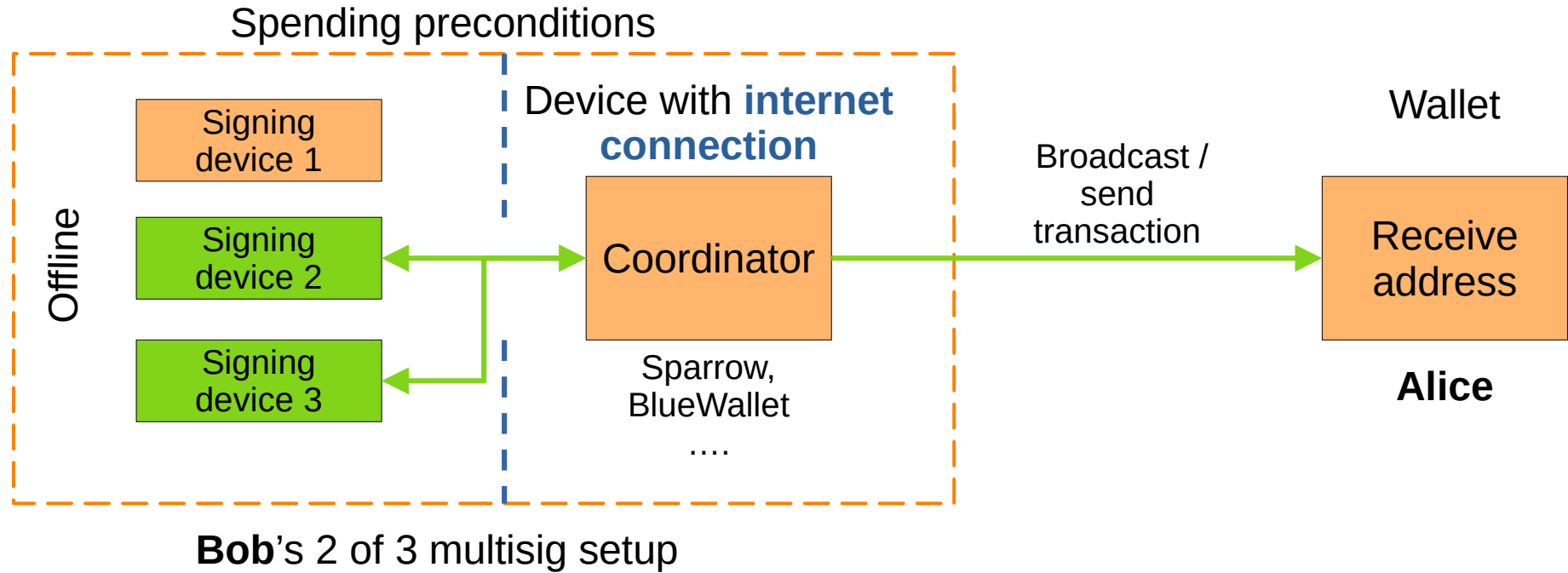
Multisig (m of n)



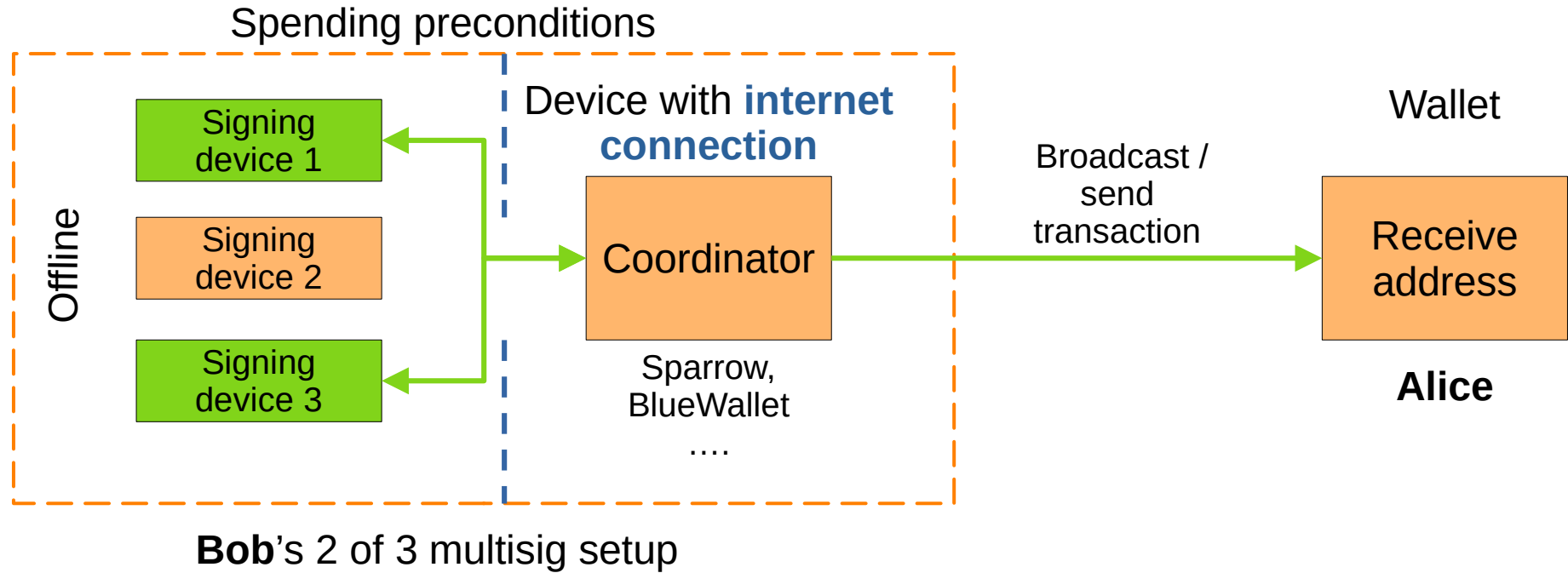
Multisig (m of n)



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Multisig (m of n)



Multisig risks

- More backups

A backup of all public keys (store the “wallet descriptor” with each backup)

- More devices
- More complicated – can your kids operate a 2 of 3 multisig?

Multisig benefits

- “No single point of failure”
- If one seed is compromised, the others are still usable
- Multiple people (m of n) can manage one wallet
- Use of several different hardware wallets

Hardware signing devices

- SeedSigner
- Jade
- Passport
- BitBox02
- Coldcard



Software



- Sparrow Wallet

- Specter Wallet



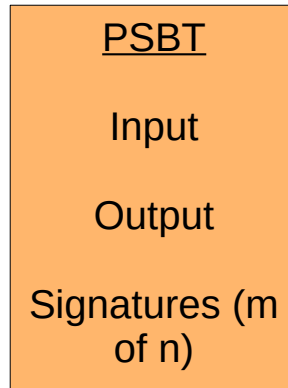
- BlueWallet (mobile only) - not for all multisig setups

Backup (m of n)

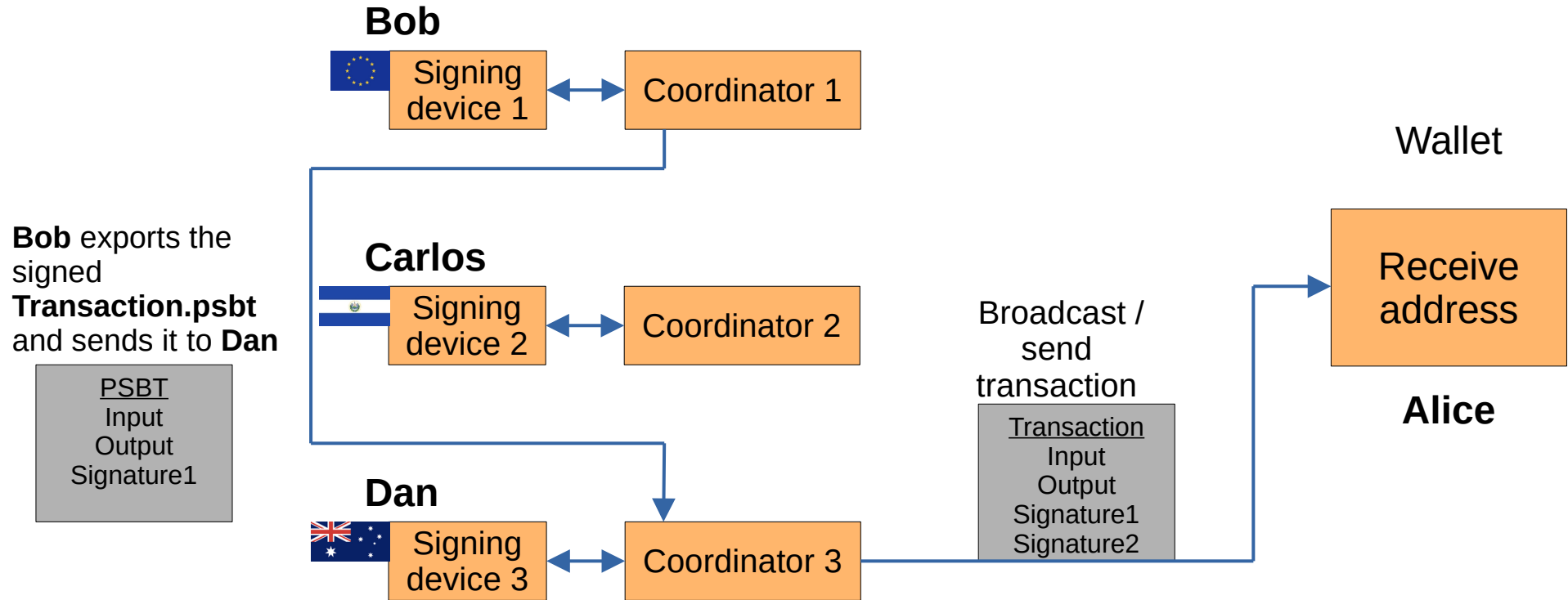
- Store every seed phrase + wallet descriptor
- Learn how to recover your wallet (signers and coordinator)
- think of your **family** and keep things **simple**

Partially Signed Bitcoin Transactions (PSBTs)

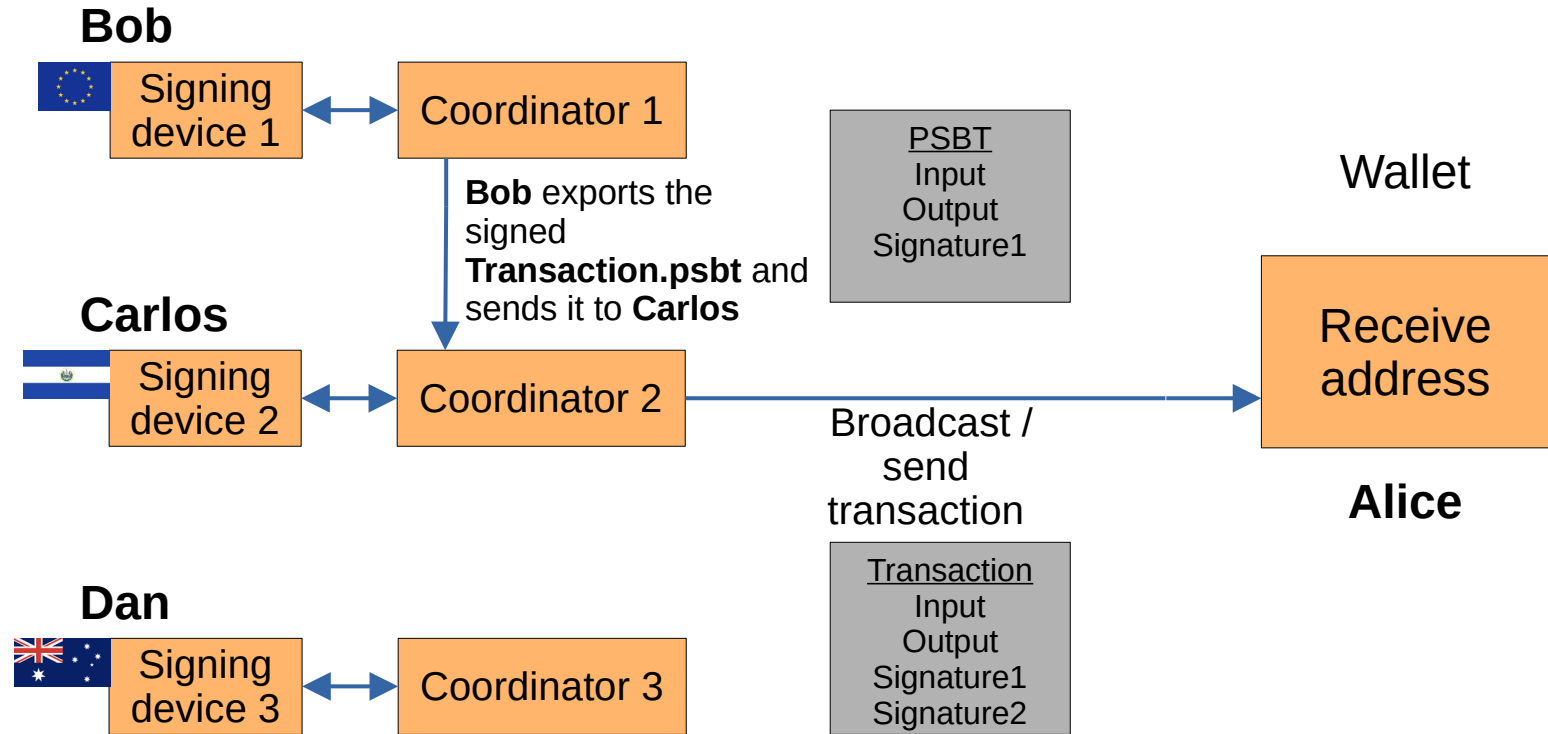
- Increases interoperability between different software and hardware wallets
- Portable - a transaction can be signed by multiple parties



Partially Signed Bitcoin Transactions (PSBTs)



Partially Signed Bitcoin Transactions (PSBTs)



Is multisig necessary for me?

- It depends on your “requirements” of self custody
- think of your **family** and keep things **simple**

END

Github:

<https://github.com/marc3linho>

Nostr:

<https://nostriches.net/s/marcelinho>