# Tutorial 2: Bitcoin Scripts: Multisig

CSCD71: Blockchains & Decentralized Applications

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#### **Multisignature** wallet

A **multisignature** (*multisig*) wallet is a Bitcoin wallet that requires multiple private keys to authorize and complete a transaction.

**Purpose:** Enhances security, enables shared control, and supports complex spending conditions.



- 1. Installed Bitcoin Core.
- 2. Set up a local testnet node
- 3. RPC Configuration

#### Reference:

### **Objectives**

- 1. Generate 3 private/public keys on a single machine.
- 2. Create a 2 of 3 multisignature wallet.
- 3. Create a raw transaction.
- 4. Sign the transaction from 2 out of 3 private keys, and the specific redeem script.
- 5. Send transactions from the multisignature wallet and broadcast to the testnet.

#### How does it work?



### Sending a transaction



## Thanks!

Do you have any questions?

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