Multi-signature example

cc32d9 / Europechain

yvesgenevach on Jungle

- https://jungle.bloks.io/account/yvesgenevach

- Navigate to **Keys** section. You see that the **active** permission requires 1 signature of either **cc32dninexxx** or **yvsmarttest5**.

- In addition, "transfer" action on "eosio.token" contract can be executed with 1 signature of either **grandperrin1** or **smartneoter3**.

yvesgenevach on Jungle (2)

- The above example demonstrates a model of a small organization with two directors who are controlling all daily operation, and two additional accountants who are able to send tokens from the company account.

- Each of the above requires only one signature (Threshold in permission is set to 1).

xeccustodian on EOS mainnet

- https://bloks.io/account/xeccustodian

- Navigate to Keys section.

- You see that active and owner permissions have a threshold of 3, and they list 5 accounts.

- Any transaction for xeccustodian requires 3 signatures out of 5 board members.

eosio.msig

- **eosio.msig** is a privileged smart contract that facilitates multi-signature transactions.

- Anyone can compose a proposal indicating the exact transaction to be executed and which signatures are required.

- Required parties sign their confirmations.

- As soon as quorum is reached, the proposer can execute the transaction.

Multi-signature without eosio.msig

- Each transaction may have multiple signatures. The binary transaction object needs to be passed sequentially among signors, they sign and pass over to the next signor.

- Good for automated processes, but difficult for humans.

- **eosio.msig** simplifies the workflow.