



**PLUTUS**





# Plutus Playground

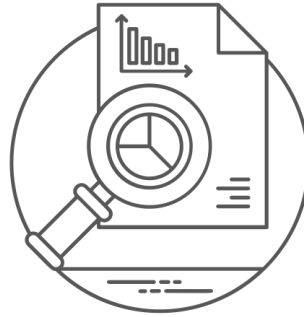




Why are we here?

# Writing contracts





Plutus Playground is an environment for writing  
and testing contracts



# Anatomy of a smart contract

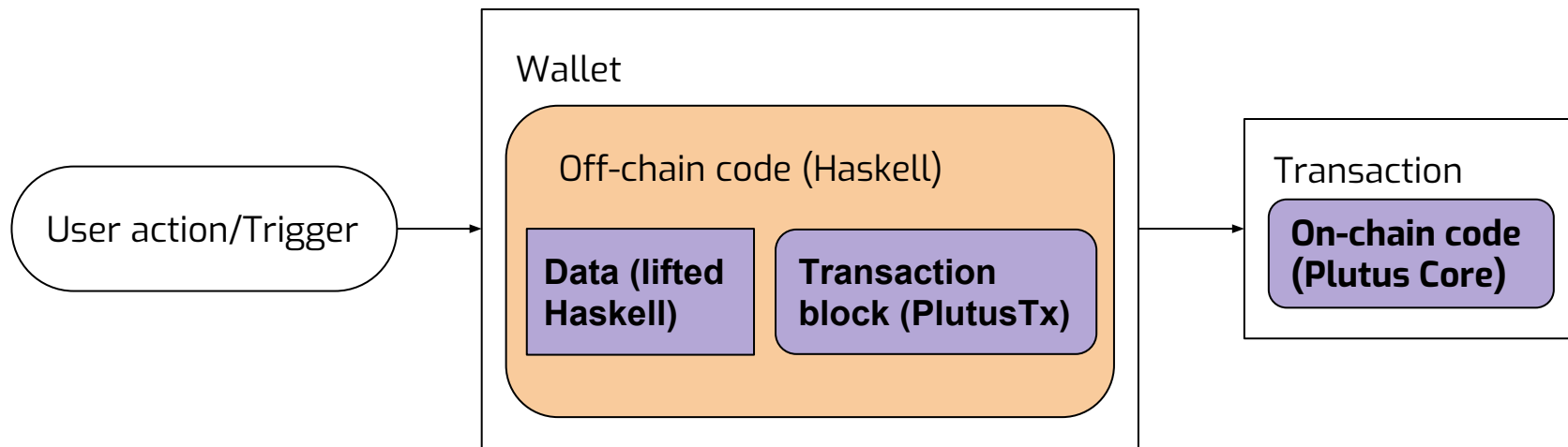


# The Plutus Platform

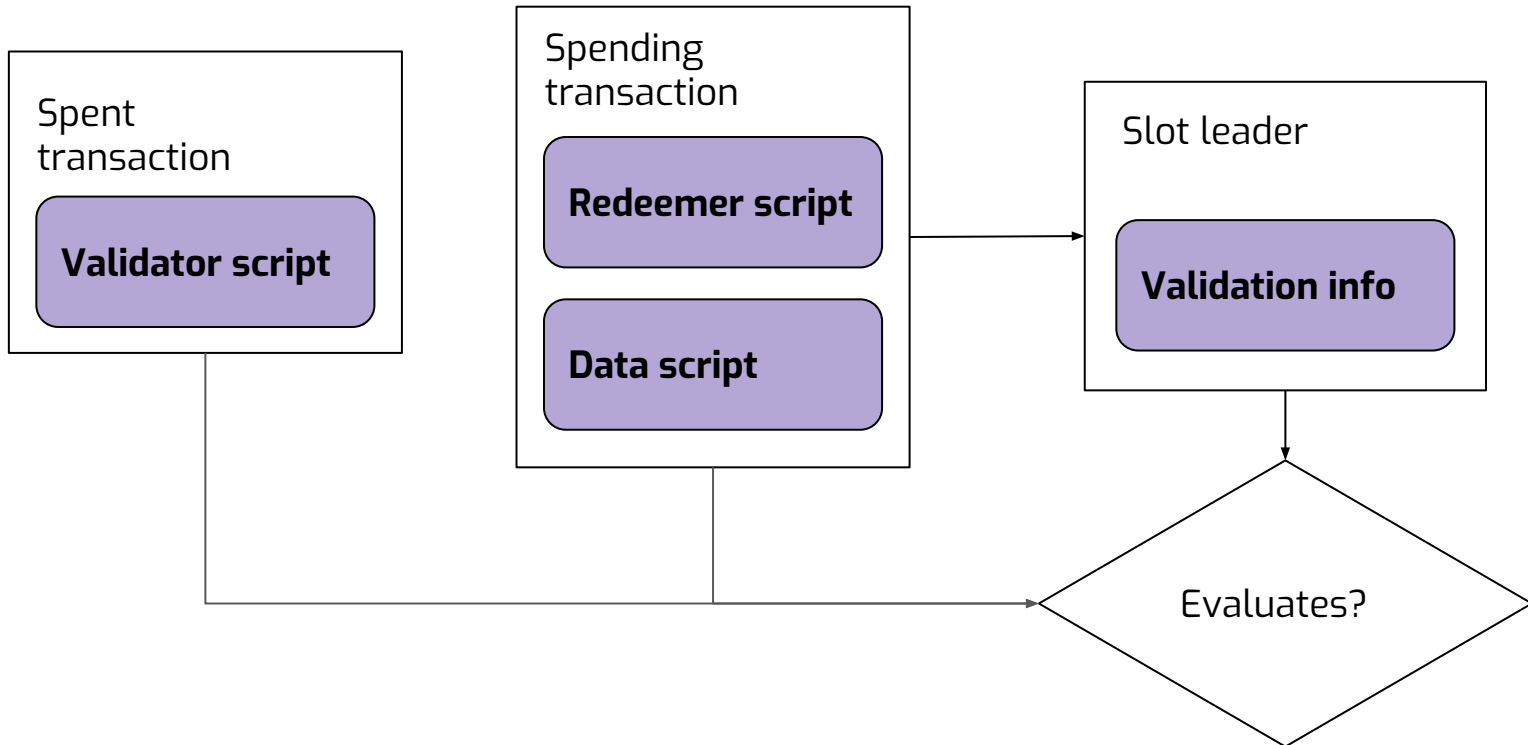
- Write your **on-chain code** and your **off-chain code** in the same language (Haskell!), even in the same file.
- Use exactly the same types **on** and **off** the chain.
- Run exactly the same code on
  - Cardano
  - Plutus Playground
  - Local emulator



# Anatomy of a Plutus smart contract



# Anatomy of a transaction validation

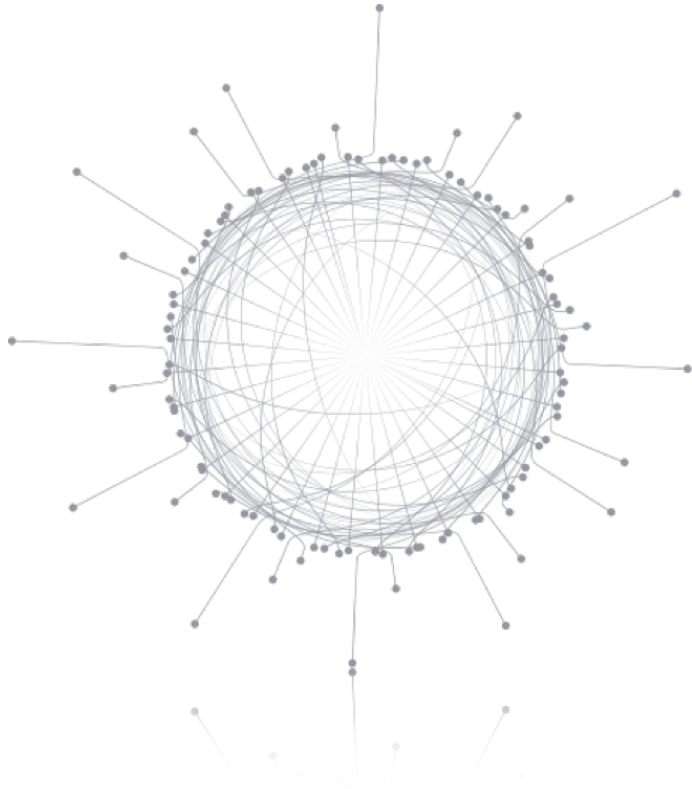




## Four interactions to remember

- Off-chain code + wallet
  - Wallet
- Off-chain code + transactions
  - Ledger
- Off-chain code + on-chain code
  - PlutusTx
- On-chain code + slot leader
  - Validation





# Demo

