Ethereum Accounts and Transactions

Ethereum addresses are accounts or contracts

address	code	storage	balance	nonce

	account	contract
address	Hash(pub_key)	H(creator, nonce)
code	∅	EVM code
storage	∅	Merkle storage root
balance	ETH balance	
nonce	Number of transactions sent	

Three types of transactions in Ethereum

type	from	sig	nonce	to	data	value	gaslimit	gasprice

Three types of transactions in Ethereum

type	from	sig	nonce	to	data	value	gaslimit	gasprice

send	sender	sig	nonce	receiver	$\varnothing$	amount	?	?

Three types of transactions in Ethereum

type	from	sig	nonce	to	data	value	gaslimit	gasprice

send	sender	sig	nonce	receiver	∅	amount	?	?

create	creator	sig	nonce	∅	code	start_bal	?	?

Three types of transactions in Ethereum

type	from	sig	nonce	to	data	value	gaslimit	gasprice
send	sender	sig	nonce	receiver	∅	amount	?	?
create	creator	sig	nonce	∅	code	start_bal	?	?
call	caller	sig	nonce	contract	f, args	amount	?	?