Sui CLI Cheat Sheet

Command	Description
sui client active-address	Get the active address
sui client addresses	List the addresses, their aliases, and the active address
sui client new-address ed25519	Create a new address with ED25519 scheme
sui client new-address ed25519 MY_ALIAS	Create a new address with ED25519 scheme and alias
sui client switchaddress ADDRESS	Make this the active address (accepts also an alias)
sui keytool convert PRIVATE_KEY	Convert private key in Hex or Base64 to new format (Bech32 encoded 33 byte flag private key starting with "suiprivkey")
sui keytool generate ed25519	Generate a new keypair with ED25519 scheme and save it to file
sui keytool import INPUT KEY_SCHEME	Add a new key to Sui CLI Keystore using either the input mnemonic phrase or a Bech32 encoded 33-byte flag privkey starting with "suiprivkey"
sui keytool update-alias OLD_ALIAS NEW_ALIAS	Update the alias of an address

Command	Description
sui client faucet	Get a SUI coin from the faucet associated with the active network
sui client faucetaddress ADDRESS	Get a SUI coin for the address (accepts also an alias)
sui client fauceturl CUSTOM_FAUCET_URL	Get a SUI coin from custom faucet
sui client gas	List the gas coins for the active address
sui client gas ADDRESS	List the gas coins for the given address (accepts also an alias)

Network	
Command	Description
sui client active-env	Get the active environment
sui client envs	List defined environments
sui client new-envrpc URLalias ALIAS	Create a new environment with URL and alias
sui client switchenv ENV_ALIAS	Switch to the given environment
sui genesis	Bootstrap and initialize a new Sui network
sui start	Start the local Sui network
sui-faucet	Start a local faucet. Note this is a different binary

Command	Description
sui move build	Build the Move project in the current directory
sui move buildpath PATH	Build the Move project from the given path
sui move migrate PATH	Migrate to Move 2024 for the package at provided path
sui move new PROJECT_NAME	Create a new Move project in the given folder
sui move test	Test the Move project in the current directory

Executing Transactions	
Command	Description
sui client call \	Call a Move package
package PACKAGE $ackslash$	
module MODULE $ackslash$	
function FUNCTION	
sui client merge-coin \	Merge two coins
primary-coin COIN_ID \	
coin-to-merge COIN_ID	
sui client split-coin \	Split a coin into two coins: one with 1000 MIST and the rest
coin-id COIN_ID \setminus	
amounts 1000	
sui client pay-suiinput-coins COIN_ID \setminus	Transfer 0.1 SUI to an address and use the same coin for gas
recipients ADDRESS \	
amounts 100000000	
sui client transfer-sui \setminus	
sui-coin-object-id COIN_ID \	Transfer SUI object to an address and use the same coin for gas
to ADDRESS \	

Command	Description
sui client ptbmove-call p::m::f " <type>" args</type>	Call a Move function from a package and module
sui client ptbmake-move-vec " <u64>" "[1000,2000]"</u64>	Make a Move vector with two elements of type u64
sui client ptb \	Split a gas coin and transfer it to address
split-coins gas "[1000]" \	
assign new_coins \	
transfer-objects "[new_coins]" ADDRESS	
sui client ptbtransfer-objects "[object_id]" ADDRESS	Transfer an object to an address. Note that you can pass multiple objects in the array
sui client ptb \	Publish a Move package, and transfer the upgrade capability
move-call sui::tx_context::sender \	to sender
assign sender \	
publish "." \	
assign upgrade_cap \	
transfer-objects "[upgrade_cap]" sender	