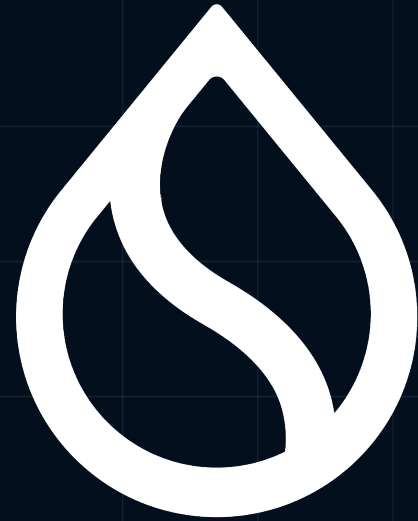


Sui 101

Introduction to Sui

Audience: Students, Web2 Devs, Crypto Curious



Learning Objective

- ✓ Understands the basics of Sui and blockchain
- ✓ Set up a Sui wallet to interact with the network
- ✓ Mint an NFT on the Sui blockchain

What is a blockchain?

- Distributed ledger technology
- Immutable and transparent record-keeping
- Transactions stored across a network of computers



What is Sui?

- A high-performance Layer 1 blockchain focused on speed and scalability
- Centered around assets and objects
- Uses the Move programming language



How is Sui Different?

Object-Centric Model

- Assets on the Sui blockchain are called **objects**
- Each object has a unique ID and can store data or be modified
- This model is different from account-**based** blockchains



Intro to Move Language and Sui CLI

- Move language is a safe and flexible smart contract programming language
- Sui CLI is a command-line tool for interacting with the Sui network

Basic Transactions:

Mint an NFT, Send Tokens

- Mint a simple NFT on Sui testnet
- Transfer tokens to another wallet

Quiz + Hands-On Challenge

Mini Quiz

- What is Sui's object model?
- How is Move different from Solidity?



Challenge

- Deploy an NFT smart contract
- Mint NFT by calling smart contract function

Screenshot & Submit

Summary

- What blockchain is and how Sui works
- How Sui's object-centric model is unique
- Basic wallet setup, Move, and transactions

Resources

- docs.sui.io
- Sui Wallet
- Sui Developer Forum



Set up you Slush Wallet



Install Slush



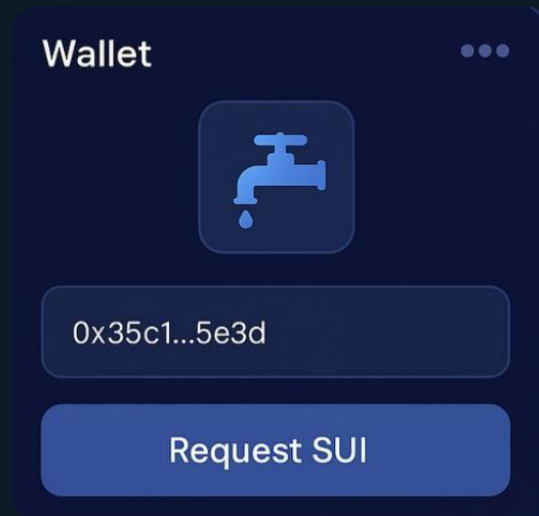
Back Up Seed Phrase



Get Sui from Faucet

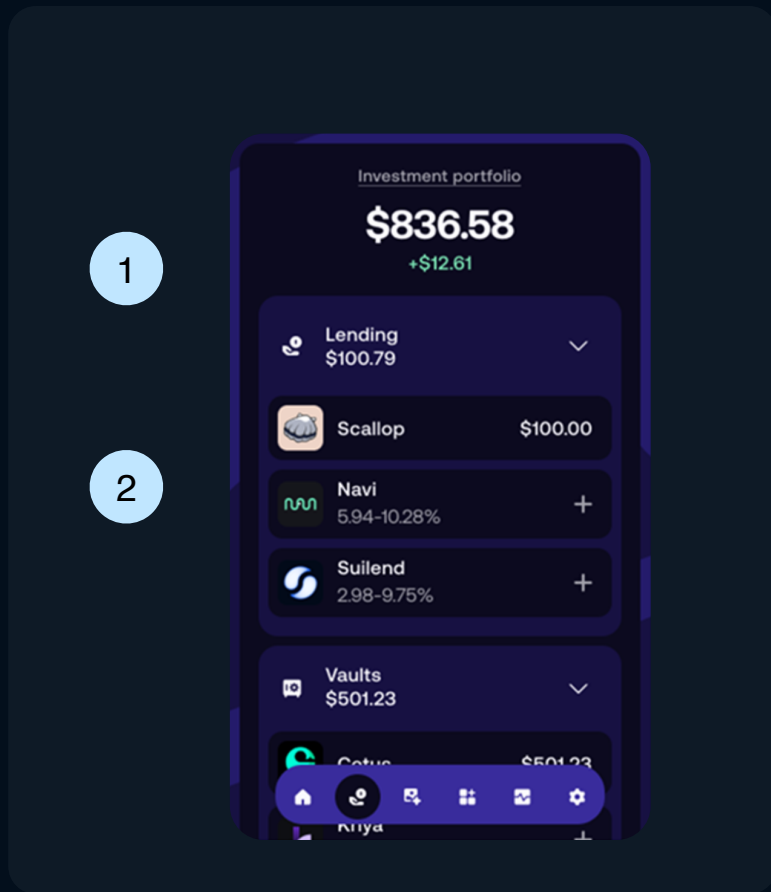
Get SUI from the Faucet

1. Go to a Sui testnet faucet site
2. Paste your address
3. Request testnet tokens



Explore Your Wallet Interface

- 1.Token balance in SUI
- 2.Minted NFT collections



Install Sui CLI

macOS

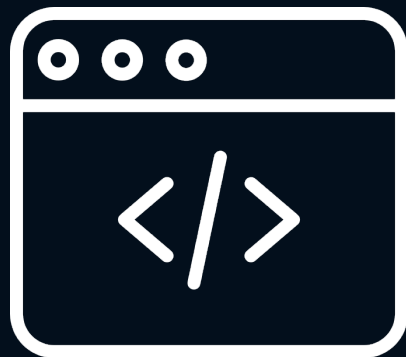
```
brew install sui
```

Windows

```
Winget install sui
```

Linux

```
0 ALTER
```



CLI Command Walkthrough

- 1 Sui client new-address
- 2 Sui client transfer-sui
- 3 Sui client call



Entry Functions & Structs

1.Entry functions = executable functions

2.Structs = custom data types

```
Module counter {  
    Struct Counter has key, store {  
        value: u64:  
    }  
    public entry fun increment  
        (my_counter: &mut Counter)  
        my_counter.value +=  
1;  
}  
}
```

View Your Module

1. Go to Sui Explorer <https://suiscan.xyz/mainnet/home>
2. Search for your Move module

EXPLORER

 0x65d4...df64



MOVEMODULE

0x65d5...37dc



Top Student Questions

- What is the Sui wallet recovery process?
- How do I connect my Sui wallet to dApps?
- Where can I find more resources on Move?
- Is this course really beginner-friendly?

Next: Builder Track Preview

- Focus on writing and deploying contracts
- Understanding gas and storage

Thank You.