



Developer Tools

Browse the tools available for developing on Sui. Each tool includes a description, installation command, and link to its source.

CAUTION

Tools tagged as Community are maintained by third-party developers. Mysten Labs, Sui Foundation, and Walrus Foundation do not guarantee their functionality, security, or compatibility with the latest platform updates.

 Filter tools...

Fundamentals

suiup

Installer and version manager for the Sui toolchain. Installs and manages sui, mvr, move-analyzer, walrus, and other Sui binaries.

```
curl -sSfL https://raw.githubusercontent.com/MystenLabs/suiup/main/install.sh | sh
```



Sui CLI

The core Sui command-line interface. Includes sui move, sui client, sui replay, and other subcommands.

suiup is the recommended installer. Also available through brew install sui or install from source with Cargo.

```
suiup install sui@testnet or sui up install sui@mainnet
```



Play Move

Move web IDE for quick experimentation without any downloads.

Sui Devstack

Boot a local Sui stack with Walrus, Seal, DeepBook, and faucets from a single TypeScript config. Publishes

packages, funds accounts, and generates typed bindings.

```
pnpm create @mysten-incubation/d  
evstack-app@latest my-app
```



Writing Move

IDEs, editor extensions, and language tools for writing Move smart contracts.

Move Analyzer

Move Language Server providing code completion, go-to-definition, hover information, and diagnostics.

VS Code extension: `mysten.move`
`suiup install move-analyzer`



Prettier Move Plugin

Official Move code formatter using a Prettier plugin backed by tree-sitter.

VS Code extension: `mysten.prettier-move`

```
npm i -D prettier @mysten/pretti  
er-plugin-move
```



Tree Sitter Move

Tree-sitter grammar for the Move language, enabling syntax highlighting and code analysis in supported editors.



Move Registry CLI (MVR)

On-chain package manager for Sui with human-readable names, versioning, and dependency resolution.

Usage: `mvr add @deepbook/core`, `mvr resolve`. Integrates with `sui move build`.

```
suiup install mvr
```



Move Registry

Web portal for the Move Registry. Browse, search, and manage Move

IntelliJ Sui Move Language Plugin

Community

packages.

Provides package analytics, name registration, and deployment management.



IntelliJ-based plugin for Move on Sui development.



Emacs move-mode

Community

Emacs major-mode for editing smart contracts written in the Move programming language.



Move.vim

Community

Vim syntax highlighting that supports the Move 2024 edition.



Zed Move Extension

Community

Move language support for the Zed editor.



BitsLab IDE

Community

Online Move code editor that requires no configuration. Supports Move syntax highlighting and interacting with Sui.



ChainIDE

Community

Cloud-powered Move development platform for Sui.



Sui Extension (zktx.io)

Community

VS Code extension for compiling, deploying, and testing Sui smart contracts directly within the editor.



Sui TUI

Community

Terminal UI tool for Sui.

```
cargo install suitui
```



Building apps

Frontend toolkits, wallet integration, authentication, and app scaffolding.

@mysten/create-dapp

CLI tool for creating Sui apps.



Sui dApp Kit

React components, hooks, and utilities for building apps on Sui.



SuiLink

Securely link wallet addresses from different blockchains to a Sui wallet address. Receive a soulbound NFT as proof of ownership.



SAGAT

Multisig wallet management platform for proposing, signing, and managing multi-party transactions.

Includes API backend, React frontend, and TypeScript SDK.

Self-host (Bun + TypeScript + PostgreSQL)



@mysten/signers

The Sui KMS Signers package provides a set of tools for securely signing transactions using Key Management Services (KMS) like AWS KMS and GCP KMS.

```
npm i @mysten/signers
```



YubiSui

Create a Sui wallet inside a YubiKey and sign Sui transactions with it.



Sui dApp Starter

Community

Suiet Wallet Kit

Community

Full-stack boilerplate for scaffolding Sui projects with React.



React toolkit for apps to interact with all wallet types in Sui easily.



@suiware/kit

[Community](#)

Opinionated React components and hooks for Sui apps.



Sui Suitcase (Polymedia)

[Community](#)

Sui utilities for TypeScript, Node, and React.



Sui dApp Scaffold (Bucket Protocol)

[Community](#)

Frontend scaffold for a decentralized app on Sui.



Wormhole Kit (zktx.io)

[Community](#)

React library that enables instant integration of Wormhole into your app.



create-dubhe (Dubhe Engine)

[Community](#)

Create a new Dubhe project on Sui.



sui-dapp-kit-theme-creator

[Community](#)

Build custom Sui dApp Kit themes.



PTB Studio

[Community](#)

Visual Programmable Transaction Block builder.



zkLogin

Tools and demos for integrating zkLogin authentication into your app.

useSuiZkLogin

[Community](#)

React hook and functions for seamless zkLogin integration on Sui.



React ZK Login Kit

[Community](#)

Ready-to-use component with hook for sign-in and sign-transaction.



zkLogin Demo (Polymedia)

[Community](#)

Demo implementation of zkLogin.



zkLogin Demo (jovicheng)

[Community](#)

Demo implementation of Sui zkLogin.



zkWallet Demo (ronanyeah)

[Community](#)

Demo implementation of a Sui zk wallet.



Testing and debugging

Tools for unit testing, replaying transactions, and debugging Move execution locally.

sui replay

Locally re-executes any past on-chain transaction and compares effects.

Usage: `sui replay --digest <TX_DIGEST>`.
Use `--trace` for debugger input.



Move Trace Debugger

Step-through debugger for Move execution traces with variable inspection and breakpoints.

Works on traces from `sui move test --trace-execution` and `sui replay --trace`.VS
Code extension: `mysten.move-trace-debug`



Object Display V2 Templates

Build and preview Display templates for on-chain objects.



SuiBase

[Community](#)

Create workdirs, each defining a distinct development environment targeting a network.



Sentio Debugger

[Community](#)

Shows the trace of a transaction. Mainnet only.



Faucets

Obtain testing tokens for [Testnet deployment](#).

Sui Faucet

Request Testnet or Devnet SUI tokens for development and testing.



N1 Stake Faucet

[Community](#)

Community-provided faucet for obtaining Testnet SUI tokens.



SuiLearn Faucet

[Community](#)

Community-provided faucet for obtaining Testnet SUI tokens.



Security and auditing

Formal verification, source verification, linting, and phishing protection.

Sui Prover

[Community](#)

Prover for doing formal verification of Move on Sui code.



Package Source Code Verification

[Community](#)

Verify your package source code on Suiscan, powered by WELLDONE Studio and Blockberry.



SuiSecBlockList

[Community](#)

Block malicious websites and packages. Identify and hide phishing objects.



Guardians

[Community](#)

Phishing website protection for Sui.



HoneyPotDetectionOnSui

[Community](#)

Detect honeypot scams on Sui.



Sui RPC Proxy

[Community](#)

Monitor and analyze the network requests made by wallet applications and Sui apps.



Data and indexing

Indexers, data APIs, and analytics services for querying on-chain state.

Sui GraphQL RPC

Rich data query interface for Sui.

ZettaBlock

[Community](#)

Mainnet:

<https://graphql.mainnet.sui.io/graphql>,

Testnet:

<https://graphql.testnet.sui.io/graphql>,

Devnet:

<https://graphql.devnet.sui.io/graphql>

Generate custom GraphQL or REST APIs from SQL queries and incorporate private off-chain data.



Sentio Indexer

Community

Transform raw indexed data into meaningful queryable data by writing custom processor logic.



BlockVision

Community

Pre-built APIs for Sui indexed data including tokens, NFTs, and DeFi.



Blockberry (Suiscan)

Community

API providing endpoints for significant entities on Sui, including NFTs, domains, collections, coins, and market data.



Space and Time (SxT)

Community

Verifiable compute layer for AI and blockchain. Decentralized data warehouse with sub-second ZK proof.



Birdeye Data Services

Community

Crypto market data APIs on Sui.



Indexer.xyz (TradePort)

Community

Toolkit for accessing NFT data and integrating trading functionality on Sui.



Dubhe Indexer (Dubhe Engine)

Community

Automatic indexing of all events based on Dubhe Engine configuration

Surflux

Community

Developer infrastructure for Sui. Build production-ready apps with APIs, indexing, and real-time data streams.

files.



Indexer Generator

Community

Code generator that creates an indexer for all events in a given smart contract. Uses TypeScript and Prisma.



OKLink

Community

Explorer and data APIs for Sui.



Explorers

Block explorers and network monitoring dashboards.

SuiVision

Community

Data analytics covering transactions, wallets, staking, and validators.



Suiscan

Community

Explorer and analytics platform for Sui.



Polymedia Explorer

Community

Community fork of the discontinued Sui Explorer from Mysten Labs. Available to build locally or use online.



Local Sui Explorer

Community

Sui Explorer for your localnet.



Suimon

Community

Command-line tool providing detailed dashboards for monitoring the Sui network.

RPC Tools (Polymedia)

Community

Web app that helps users find the fastest RPC endpoint for their



location.



devxplorer

Community

Developer-focused explorer built on GraphQL. Works with local and custom RPCs, focusing on transactions, effects, objects, events, packages, and types.



Sui Data Stack Explorer

Community

AI-native explorer with smart routing across gRPC, GraphQL, and Archival Service. Includes a Pulse checkpoint feed and an object Time Machine for historical inspection.



Oracles

Price feeds and off-chain data delivery for on-chain contracts.

Pyth Network

Community

Oracle protocol that connects the owners of market data to applications on multiple blockchains including Sui.



Supra Oracles

Community

Oracle protocol providing reliable data feeds through pull and push models.



Switchboard

Community

Data feed customization and management for Sui.



AI

Autonomous agents, verifiable inference, and TEE infrastructure.

Talus

[Community](#)

Build autonomous digital economy powered by Sui.



Atoma

[Community](#)

Developer-focused infrastructure for private, verifiable, and customized AI experiences.



Eliza

[Community](#)

Framework for building autonomous agents.



Sui Pilot

[Community](#)

Claude Code plugin that bundles Sui ecosystem docs, a Move LSP bridge, and formal verification tooling into a doc-first development agent.



Local Sui MCP Server

[Community](#)

Local MCP server exposing 29 agent-callable tools for querying Sui via gRPC, GraphQL, and Archival Service with automatic transport routing.



Hosted Sui MCP Server (Kapa)

[Community](#)

Hosted MCP server providing semantic search over Sui documentation for AI tools and agents like Claude Code, Cursor, and VS Code.



Sui stack tooling

Tooling for other pieces of the Sui stack, including Walrus, Seal, and [Nautilus](#).

Walrus CLI

CLI for interacting with the Walrus platform for configuration, orchestration, and environment setup.

```
suiup install walrus
```

Walrus site-builder

CLI tool that lets you create, edit, and publish Walrus Sites.

```
suiup install site-builder
```



Seal CLI

Command-line interface for Seal encryption and access control.



Nautilus Ops

Community

Operations tooling for Nautilus.



Nautilus TypeScript

Community

TypeScript utilities for Nautilus.



Marlin Oyster and Nautilus

Trusted execution environment (TEE) infrastructure for AI and blockchain workloads on Sui.



SDKs

SDKs for building on Sui, grouped by language. Use the filter bar to search by language name.

TypeScript

Sui TypeScript SDK

TypeScript

Modular library of tools for interacting with Sui, maintained by Mysten Labs.



Enoki TypeScript SDK

TypeScript

TypeScript SDK for Enoki.



Enoki Connect SDK

TypeScript

Seal SDK

TypeScript

TypeScript SDK for Seal, providing encryption and access control on Sui.

TypeScript SDK for Enoki Connect integration.



zkSend SDK

TypeScript

TypeScript SDK for sending assets through zkSend on Sui.



DeepBookV3 SDK

TypeScript

TypeScript SDK for integrating with DeepBook V3.



Slush Wallet SDK

TypeScript

TypeScript SDK for integrating Slush Wallet into your app.



Kiosk SDK

TypeScript

TypeScript SDK for building with Sui Kiosk, the decentralized commerce primitive.



Walrus SDK

TypeScript

TypeScript SDK for integrating with Walrus decentralized storage.



PAS TypeScript SDK

TypeScript

Programmable Asset Standard TypeScript package.



Sui Wallet Standard

TypeScript

Standard TypeScript utilities for implementing wallets and libraries based on the Wallet Standard.



BCS TypeScript

TypeScript

Binary Canonical Serialization library for TypeScript.



Codegen

TypeScript

Code generation utilities for the Sui TypeScript SDK.

Payment Kit

TypeScript

SDK for handling payments on Sui.



Sui Kit (Scallop)

TypeScript

Community

Toolkit for interacting with the Sui network in TypeScript.



Sui Client Gen (Kuna Labs)

TypeScript

Community

Generate TypeScript SDKs for Sui Move smart contracts. Works with source code and on-chain packages, no IDLs or ABIs required.



TypeMove (Sentio)

TypeScript

Community

Generate TypeScript bindings for Sui contracts.



CoinMeta (Polymedia)

TypeScript

Community

Library for fetching coin metadata for Sui coins.



Dubhe Client

TypeScript

Community

Multi-platform client supporting browsers, Node.js, and game engines for interacting with Sui Move contracts.



Dubhe Client BCS Decoding

TypeScript

Community

Automatic parsing of BCS types based on contract metadata with automatic conversion formatting.



dApp Kit (Vue)

TypeScript

Community

Sui dApp Kit for the Vue framework.



Rust

Sui Rust SDK

Rust

Rust SDK for interacting with Sui.
Supports gRPC and GraphQL.



Walrus Rust SDK

Rust

Rust SDK for interacting with Walrus.



Legacy Sui Rust SDK

Rust

Legacy Rust SDK with JSON RPC support. Forward and backward compatible with the current Sui Rust SDK.



Rust External Signers

Rust

Rust-based external signer implementations for Sui.



BCS Rust

Rust

Community

BCS serialization and deserialization in Rust.



Python

Pysui

Python

Python SDK for interacting with Sui.



Go

Sui Go SDK (SuiVision)

Golang SDK to interact with Sui.

Go

Community



Sui Go SDK (Pattonkan)

Golang SDK with PTB and devInspect support.

Go

Community



Kotlin

Sui Kotlin SDK (Ksui)

Kotlin Multiplatform SDK for integrating with Sui.

Kotlin

Community



BCS Kotlin

BCS serialization and deserialization in Kotlin.

Kotlin

Community



Swift

SuiKit

Swift SDK natively designed for developing on Sui.

Swift

Community



BCS Swift

BCS serialization and deserialization in Swift.

Swift

Community



Dart

Sui Dart SDK

Dart

Community

BCS Dart

Dart

Community

A cross-platform Dart SDK to interact with Sui.



BCS serialization and deserialization in Dart.



C# and Unity

Sui Unity SDK (OpenDive)

C#

Community

Fully featured Unity SDK with offline transaction building.



BCS Unity

C#

Community

BCS serialization and deserialization in Unity C#.



DeFi protocol SDKs

These SDKs are built and maintained by their respective protocol teams for integrating with specific DeFi protocols on Sui.

NAVI Protocol SDK

TypeScript

Community

TypeScript SDK for interacting with NAVI Protocol on Sui.



Bucket Protocol SDK

TypeScript

Community

TypeScript SDK for interacting with Bucket Protocol.



Suilend SDK

TypeScript

Community

TypeScript SDK for interacting with the Suilend program.



Scallop SDK

TypeScript

Community

TypeScript SDK for interacting with the Scallop lending protocol on Sui.



TypeScript

Community

TypeScript

Community

Cetus CLMM SDK

SDK for integration with Cetus-CLMM on Sui.



Aftermath SDK

TypeScript SDK for interacting with Aftermath Protocol.



FlowX SDK

[TypeScript](#)[Community](#)

TypeScript SDK for interacting with FlowX protocols.



7k Aggregator SDK

[TypeScript](#)[Community](#)

TypeScript SDK for interacting with 7k Aggregator protocol.



Hop Aggregator SDK

[TypeScript](#)[Community](#)

TypeScript SDK for interacting with Hop Aggregator.



APIs

Sui gRPC API

gRPC API definitions and protocol buffers for Sui.



Enoki API

REST API for zkLogin and sponsored transactions.



Misc

OpenZeppelin Contracts for Sui

Audited libraries including deterministic arithmetic, decimal scaling, and ownership-transfer wrappers.



Minting Server

A scalable system architecture that processes multiple Sui transactions in parallel using a producer-consumer worker scheme.



Docker Sui Node Image

Official Docker image for running a Sui node.



Sui Terraform Modules

Community

All-in-one solution for deploying, monitoring, and managing Sui infrastructure.



Sui Tears (Interest Protocol)

Community

Open source, production-ready Sui Move library for new and experienced developers.



Sui Codec

Community

Encoding solution for Sui.



SkipList (Cetus)

Community

A skip list implementation in Move on Sui.



IntegerMate (Cetus)

Community

Move module providing signed integer and integer math functions.



Community

Community

Cetus CLMM Contracts

Open source Cetus CLMM DEX contracts.



SuiDouble Metadata

Move library and tools to store, retrieve, and manage primitive data as chunks in a vector without dependencies.



SuiGPT Decompiler

Community

Uses generative AI to convert Move bytecode back to source code.



Revela

Community

Decompile Sui smart contracts to recover Move source code.



Sui Token CLI

Community

Rust-based CLI tool and RPC service for generating and verifying Sui token smart contracts.



Dubhe Engine (Obelisk Labs)

Community

Open source toolchain for building intent-centric worlds with Move applications.



Dubhe CLI (Dubhe Engine)

Community

CLI for building and managing apps built on Dubhe Engine in Sui.



Sui Protocol Config

Transaction limits and protocol configuration values for Sui.



Polymedia Commando

Community

Command-line tools for Sui airdrops, data gathering from RPCs and indexers, and more.

sui-tool

Internal diagnostic utility for Sui network operations.



→ Related topics

Install Sui

Install the Sui framework and its required prerequisites on your system.

Sui CLI

Sui provides command line tools to interact with the network, its features, and the Move programming language. Individual command groups and utilities are referred to as Sui Client CLI, Sui Keytool CLI, Sui Move CLI, Sui Completion CLI, and Sui Validator CLI.

Move Analyzer VS Code Extension

The Move extension provides language support features like code navigation, completion, and diagnostics for Move source code.

Sagat

Sagat is a multisig management platform designed for managing Sui multisig wallets.



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