

# Web3Modal SDK & Wagmi

## Installation

- npm
- Yarn
- pnpm

npm

install @web3modal/wagmi wagmi viem yarn

add @web3modal/wagmi wagmi viem pnpm

add @web3modal/wagmi wagmi viem

## Usage

On top of your app set up the following configuration, making sure that all functions are called outside any React component to avoid unwanted rerenders.

```
import
```

```
{ createWeb3Modal , defaultWagmiConfig }
```

```
from
```

```
'@web3modal/wagmi/react'
```

```
import
```

```
{
```

```
WagmiConfig
```

```
}
```

```
from
```

```
'wagmi' import
```

```
{ celo , celoAlfajores }
```

```
from
```

```
'viem/chains'
```

```
// 1. Get a Project ID from https://cloud.walletconnect.com/ const projectId =
```

```
'YOUR_PROJECT_ID'
```

```
// 2. Create wagmiConfig const metadata =
```

```
{ name :
```

```
'My Celo App' , description :
```

```
'My Website description' , url :
```

```
'https://mywebsite.com' , icons :
```

```
[ 'https://avatars.mywebsite.com/' ] }
```

```
const chains =
```

```
[ celo , celoAlfajores ] const wagmiConfig =
```

```
defaultWagmiConfig ( { chains , projectId , metadata } )
```

```
// 3. Create modal createWeb3Modal ( { wagmiConfig , projectId , chains , defaultChain : celo } )
```

```
export
default
function
App ( )
{ return
( < WagmiConfig
```

## config

```
{ wagmiConfig }
    // Rest of your app... </ WagmiConfig
  ) } Use theweb component anywhere in your app to open the wallet modal.
```

```
export
default
function
ConnectButton ( )
{ return
< w3m-button
/> } info Web components are global html elements that don't require importing.
```

## Smart Contracts interaction

Use Wagmi hooks to[read](#) or[write](#) Smart Contracts.

```
import
{ useContractRead }
from
'wagmi' import
{ USDTAbi }
from
'../abi/USDTAbi'
function
App ( )
{ const
{ data , isError , isLoading }
=
useContractRead ( { address :
'0x617f3112bf5397D0467D315cC709EF968D9ba546' , abi : USDTAbi , functionName :
'getHunger' , } ) } *Learn more about Web3Modal SDK * Learn more about Wagmi Edit this page Previous Web3Modal SDK
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```