

Smart Account Client

A Smart Account Client is an almost drop-in replacement for a standard [viem walletClient](#) but for managing smart accounts instead of EOA accounts. In addition, a Smart Account Client also contains, depending on the underlying smart account implementation used, a few extra actions that are specific to smart accounts.

To create a Smart Account Client, use the `createSmartAccountClient` function.

Import

```
...  
  
import{ createSmartAccountClient }from'permissionless'  
...
```

Usage

Initialize a Smart Account Client with your desired account (which can be created using a function like `signerToSimpleSmartAccount`), chain, bundler transport, and optionally a `sponsorUserOperation` middleware by using the `createSmartAccountClient` method:

```
...  
  
import{ http }from'viem' import{ sepolia }from'viem/chains' import{ createSmartAccountClient,  
ENTRYPOINT_ADDRESS_V07 }from"permissionless"; import{ simpleSmartAccount }from"./simpleSmartAccount";// created  
elsewhere import{ pimlicoPaymaster }from"./paymaster";// created elsewhere  
  
constsmartAccountClient=createSmartAccountClient({ account: simpleSmartAccount,  
entryPoint:ENTRYPOINT_ADDRESS_V07 chain: sepolia,// or whatever chain you are using  
bundlerTransport:http("https://api.pimlico.io/v2/sepolia/rpc?apikey=YOUR_PIMLICO_API_KEY"), middleware: {  
sponsorUserOperation: pimlicoPaymaster.sponsorUserOperation// if using a paymaster } })  
...  
  
Then you can consume Smart Account Actions and access properties:  
...  
  
constsmartAccountAddress=awaitsmartAccountClient.address  
...
```