useGasEstimate

[@biconomy/use-aa](#) •Hook

[@biconomy/use-aa](#) / useSendTransaction

Description

Returns an upper estimate for the gas spent on a specific user operation. This method will fetch an approximate gas estimate for the user operation, given the current state of the network. It is regularly an overestimate, and the actual gas spent will likely be lower. Returns the expected amount of gas in wei for the tx

Parameters

type

Transaction

=

{ to :

string ; value : BigNumberish |

string ; data :

string ; } ;

type

UseGasEstimateProps

=

{ / **The transactions to be batched.** */ **transactions : Transaction | Transaction [ ] ;** /The BuildUserOpOptions options. See https://bcnmy.github.io/biconomy-client-sdk/types/BuildUserOpOptions.html for further detail */ options ? : BuildUserOpOptions ; } ;

Returns

The amount of gas in wei as abigint

Example

import

{ useGasEstimate }

from

"@biconomy/useAA" ; import

{ encodeFunctionData , parseAbi }

from

"wagmi" ;

export

const

GasEstimate

=

( )

=>

```
{
const transactions =
useMemo ( ( )
=>
( { to :
"0x1758f42Af7026fBbB559Dc60EcE0De3ef81f665e" , data :
encodeFunctionData ( { abi :
parseAbi ( [ "function safeMint(address _to)" ] ) , functionName :
"safeMint" , args :
[ smartAccountAddress as
Hex ] , } ) , } ) , [ smartAccountAddress ] ) ;
const
{ data : gasInWei , error , isLoading }
=
useGasEstimate ( { transactions } ) ;
return
( < ErrorGuard
```

errors

```
{ [ error ] }
    < div
    { isLoading ?
( < div
    Loading... </ div
    )
:
( < div
    Amount: { gasInWei } </ div
    ) } } </ div
    </ ErrorGuard
    ) ; } ;
```

Source