

# Provider: BiconomyProvider

## Description

TheBiconomyProvider component in TypeScript React sets up a context provider for managing BiconomySmartAccountV2 related state and functionality.

## Parameters

type

BiconomyProviderProps

=

{ / **The children of the provider** \*/ **children** : **ReactNode** ; /The Biconomy configuration \*/ config :

{ bundlerUrl :

string ; biconomyPaymasterApiKey :

string

} ; /\* *The Tanstack Query client instance* / queryClient : QueryClient |

undefined ; } ;

## Returns

type

BiconomyContextPayload

=

{ /\* *The BiconomySmartAccountV2 instance. This can be used to 'drop down' to the core SDK* smartAccountClient : BiconomySmartAccountV2 |

null ; /\* *The Tanstack Query client instance* / queryClient : QueryClient |

undefined ; / **The address of the smart account for the user** \*/ **smartAccountAddress** : **Hex** ; /The URL of the Biconomy bundler. This can be retrieved from the Biconomy dashboard: <https://dashboard.biconomy.io> \*/ bundlerUrl :

string ; /\* *The paymaster API key. This can be retrieved from the Biconomy dashboard: <https://dashboard.biconomy.io>* \*/ biconomyPaymasterApiKey :

string ; } ;

## Example

import

{

BiconomyProvider

}

from

"@biconomy/use-aa" ; import

{ createConfig , http ,

WagmiProvider

}

```

from
"wagmi" ; import
{ polygonAmoy }
from
"wagmi/chains" ; import
{
  QueryClient ,
  QueryClientProvider
}
from
"@tanstack/react-query" ; import
{
  StrictMode
}
from
"react" ; import
ReactDOM
from
"react-dom/client" ; import
{ bundlerUrl , biconomyPaymasterApiKey }
from
"./config" ;
const wagmiConfig =
createConfig ( { chains :
[ polygonAmoy ] , transports :
{
[ polygonAmoy . id ] :
http ( )
} , } ) ;
const queryClient =
new
QueryClient ( ) ;
ReactDOM . createRoot ( document ?. getElementById ( "root" ) ! ) . render ( < StrictMode
  < WagmiProvider

```

## config

```

{ wagmiConfig }
  < QueryClientProvider

```

# client

```
{ queryClient }  
    < BiconomyProvider config = { { biconomyPaymasterApiKey , bundlerUrl , } } queryClient = { queryClient }  
    < App  
/> </ BiconomyProvider  
    </ QueryClientProvider  
    </ WagmiProvider  
    </ StrictMode  
);
```

## Source

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