Migration Guide from v7 to v8 for Web3Auth Modal SDK

Overviewâ

This migration guide provides steps for upgrading from version 7 (v7) to version 8 (v8) of the Web3Auth Modal SDK. The guide outlines significant changes and enhancements, including the introduction ofgetDefaultExternalAdapters for easy adapter management, updates to theCustomChainConfig and theWeb3AuthOptions interface.

Changes in Detailâ

CustomChainConfig

â

Before (v7):â

Earlier,CustomChainConfig did not requirelogo andisTestnet , andblockExplorer was used instead ofblockExplorerUrl .

```
const chainConfig :

CustomChainConfig

=

{ chainNamespace :

CHAIN_NAMESPACES . OTHER , chainId :

"0x1" , rpcTarget :

"https://mainnet-algorand.api.purestake.io/ps2" , displayName :

"Algorand Mainnet" , blockExplorer :

"" , ticker :

"ALGO" , tickerName :

"Algorand" , } ;
```

After (v8):â

ChainConfig now requires alogo parameter for the chain's logo and the parameter formerly calledblockExplorer has been renamed toblockExplorerUrl . Additionally,isTestnet has been introduced which can be used to define whether the network is testnet or not.

note From v8, parameters apart fromchainId ,rpcTarget , andchainNamespace are now optional. Please note, while usingWallet Services you have to also pass the optional parameters. type

```
CustomChainConfig

=

{ chainNamespace :

ChainNamespaceType ; chainId :

string ; rpcTarget :

string ; wsTarget ? :

string ; displayName :

string ; blockExplorerUrl :

string ; ticker :

string ; tickerName :
```

```
string ; decimals ? :
number ; logo :
string ; isTestnet ? :
boolean ; } ;
const chainConfig =
{ chainId :
"0x3" , displayName :
"Solana Testnet" , chainNamespace :
CHAIN_NAMESPACES . SOLANA , tickerName :
"SOLANA" , ticker :
"SOL" , decimals :
18 , rpcTarget :
"https://api.testnet.solana.com" , blockExplorerUrl :
"https://explorer.solana.com/?cluster=testnet" , logo :
"https://images.toruswallet.io/sol.svg" , isTestnet :
true , } ;
```

Web3AuthOptions

â

Before (v7):â

Earlier, theprivateKeyProvider provider was not required, andchainConfig was mandatory.

After (v8):â

In v8, theprivateKeyProvider is introduced toWeb3AuthOptions , andchainConfig is now optional.

```
const chainConfig =
{ chainId :
"0x1" ,
// Please use 0x1 for Mainnet rpcTarget :
"https://rpc.ankr.com/eth" , displayName :
"Ethereum Mainnet" , blockExplorerUrl :
"https://etherscan.io/" , ticker :
"ETH" , tickerName :
"Ethereum" , logo :
"https://images.toruswallet.io/eth.svg" , } ;
const ethereumPrivateKeyProvider =
EthereumPrivateKeyProvider ( { config :
{ chainConfig } } ) ;
const web3auth =
new
```

```
Web3Auth ( { clientId :
"" ,
// Get your Client ID from the Web3Auth Dashboard web3AuthNetwork :
WEB3AUTH_NETWORK . SAPPHIRE_MAINNET , uiConfig :
{ // Access the LANGUAGES from @toruslabs/openlogin-utils defaultLanguage :
LANGUAGES . tr ,
// Supported languages en, de, ja, ko, zh, es, fr, pt, nl } privateKeyProvider : ethereumPrivateKeyProvider , } ) ;
```

WalletConnect v2 Adapterâ

Before (v7):â

Earlier,getWalletConnectV2Settings was used to accept a list of numbers, instead of a list of strings forchainId .

```
const defaultWcSettings =
await
getWalletConnectV2Settings ( "eip155" ,
[ 1 ] ,
"projectId" ) ;
```

After (v8):â

```
import
{
WalletConnectModal
}
from
"@walletconnect/modal" ; import
{ getWalletConnectV2Settings , WalletConnectV2Adapter , }
from
"@web3auth/wallet-connect-v2-adapter" ;
const defaultWcSettings =
await
getWalletConnectV2Settings ( "eip155" ,
[ "1" ] ,
"projectId" ) ; const walletConnectModal =
new
WalletConnectModal ( { projectId :
"projectId"
} ) ; const walletConnectV2Adapter =
new
WalletConnectV2Adapter ( { adapterSettings :
{ qrcodeModal : walletConnectModal ,
... defaultWcSettings . adapterSettings

} , loginSettings :

{

... defaultWcSettings . loginSettings

} , } ) ;

web3auth . configureAdapter ( walletConnectV2Adapter ) ;
```

Adapter Management withgetDefaultExternalAdapters

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note To use adapters other than OpenLogin, it is mandatory to use thegetDefaultExternalAdapters method to get the default adapters to configure them.

Before (v7):â

Adapters were manually configured and instantiated.

After (v8):â

Two new adapters,@web3auth/default-evm-adapter and@web3auth/default-solana-adpater have been introduced to help developers configure default external adapters quickly for EIP155 and SOLANA namespace.

@web3auth/default-evm-adapter

â

Default EVM adapter allows you to create & configure external adapters for EIP155, like@web3auth/torus-evm ,@web3auth/metamask , and@web3auth/wallet-connect-v2 easily.

Installationâ

- npm
- Yarn
- pnpm

```
npm install --save @web3auth/default-evm-adapter yarn add @web3auth/default-evm-adapter pnpm add @web3auth/default-evm-adapter
```

Usageâ

```
const chainConfig =

{ chainId :

"0x1" ,

// Please use 0x1 for Mainnet rpcTarget :

"https://rpc.ankr.com/eth" , displayName :

"Ethereum Mainnet" , blockExplorerUrl :

"https://etherscan.io/" , ticker :

"ETH" , tickerName :

"Ethereum" , logo :

"https://images.toruswallet.io/eth.svg" , } ;

const privateKeyProvider =

new

EthereumPrivateKeyProvider ( { config :
```

```
{ chainConfig }

} ) ;

const web3AuthOptions :

Web3AuthOptions

=

{ clientId , web3AuthNetwork :

WEB3AUTH_NETWORK . SAPPHIRE_MAINNET , privateKeyProvider : privateKeyProvider , } ;

const adapters =

await

getDefaultExternalAdapters ( { options : web3AuthOptions } ) ;

adapters . forEach ( ( adapter )

=>

{ web3auth . configureAdapter ( adapter ) ; } ) ;
```

@web3auth/default-solana-adapter

â

Default Solana adapter allows you to create & configure external adapters for SOLANA namespace, like@web3auth/torus-solana , and@web3auth/phantom easily.

Installationâ

- npm
- Yarn
- pnpm

```
npm install --save @web3auth/default-solana-adapter yarn add @web3auth/default-solana-adapter pnpm add @web3auth/default-solana-adapter
```

Usageâ

```
const chainConfig =

{ chainId :

"0x3" , displayName :

"Solana Testnet" , chainNamespace :

CHAIN_NAMESPACES . SOLANA , tickerName :

"SOLANA" , ticker :

"SOL" , decimals :

18 , rpcTarget :

"https://api.testnet.solana.com" , blockExplorerUrl :

"https://explorer.solana.com/?cluster=testnet" , logo :

"https://images.toruswallet.io/sol.svg" , isTestnet :

true , } ;

const privateKeyProvider =

new
```

```
SolanaPrivateKeyProvider ( { config :

{ chainConfig }

} ) ;

const web3AuthOptions :

Web3AuthOptions

=

{ clientId , web3AuthNetwork :

WEB3AUTH_NETWORK . SAPPHIRE_MAINNET , privateKeyProvider : privateKeyProvider , } ;

const adapters =

await

getDefaultExternalAdapters ( { options : web3AuthOptions } ) ;

adapters . forEach ( ( adapter )

=>

{ web3auth . configureAdapter ( adapter ) ; } )
```

Edit this page Previous v8 to v9 Next v6 to v7