

# Initializing PnP Web No Modal SDK

After Installation, the next step to use Web3Auth is to Initialize the SDK. However, the Initialization is a two-step process, with an additional two steps for customizations, ie.

- [Instantiation of Web3AuthNoModal](#)
- [Configuration of Plugins](#)
- (optional)
- [Initialization of Web3Auth](#)

Please note that these are the most critical steps where you need to pass on different parameters according to the preference of your project. Additionally, Whitelabeling and Custom Authentication have to be configured within this step, if you wish to customize your Web3Auth Instance.

## Instantiating Web3AuthNoModal

### Import the Web3AuthNoModal

```
class from @web3auth/no-modal
```

```
import
```

```
{
```

```
Web3AuthNoModal
```

```
}
```

```
from
```

```
"@web3auth/no-modal" ;
```

### Assign the Web3AuthNoModal

```
class to a variable
```

```
const web3auth =
```

```
new
```

```
Web3AuthNoModal ( Web3AuthNoModalOptions ) ;
```

This Web3AuthNoModal constructor takes an object with Web3AuthNoModalOptions as input.

## Arguments

### Web3AuthNoModalOptions

- Table
- Interface

Parameter Description chainConfig Custom configuration for your preferred blockchain. Read more about [here](#) . clientId Your Web3Auth Client ID. You can get it from Web3Auth [Dashboard](#) under project details. It's a mandatory field of type string web3AuthNetwork? Defines the Web3Auth network. It accepts OPENLOGIN\_NETWORK\_TYPE . useCoreKitKey? Use CoreKit Key to get core kit key. It's an optional field with default value as false . sessionTime? It allows developers to configure the session management time. Session Time is in seconds, default is 86400 seconds which is 1 day. sessionTime can be max 7 days. uiConfig? WhiteLabel options for web3auth. It helps you define custom UI, branding, and translations for your brand app. It takes WhiteLabelData as a value. storageKey? Setting to "local" will persist social login session across browser tabs. privateKeyProvider? Private key provider for your chain namespace. It takes IBaseProvider as a value. enableLogging Setting to true will enable logs. Default value is false . interface

```
Web3AuthNoModalOptions
```

```
{ /* * Client id for web3auth. * You can obtain your client id from the web3auth developer dashboard. * You can set any random string for this on localhost. / clientId :
```

```
string ; /* * custom chain configuration for chainNamespace * * @defaultValue mainnet config of provided chainNamespace /
```

```

chainConfig :
Partial < CustomChainConfig
&
Pick < CustomChainConfig ,
"chainNamespace"

; /* * setting to true will enable logs * * @defaultValue false/ enableLogging ? :

boolean ; /* * setting to "local" will persist social login session accross browser tabs. * * @defaultValue "local/" storageKey ?
:

"session"

|

"local" ; /* * sessionTime (in seconds) for idToken issued by Web3Auth for server side verification. * @defaultValue 86400 *
* Note: max value can be 7 days (86400 * 7) and min can be 1 day (86400) / sessionTime ? :

number ; /* * Web3Auth Network to use for the session & the issued idToken * @defaultValue mainnet/ web3AuthNetwork ?
:

OPENLOGIN_NETWORK_TYPE ; /* * Uses core-kit key with web3auth provider * @defaultValue false/ useCoreKitKey ? :

boolean ; /* * WhiteLabel options for web3auth/ uiConfig ? :

WhiteLabelData ; /* * Private key provider for your chain namespace/ privateKeyProvider ? :

IBaseProvider < string

; }

```

## Adding a Custom Chain Configuration<sup>â</sup>

### chainConfig

<sup>â</sup>

- Table
- Type Declarations

Parameter Description chainNamespace The namespace of your preferred chain. Checkout [Providers SDK Reference](#) for understanding RPC Calls. It accepts ChainNamespaceType as a value. chainId The chain id of the selected blockchain in hexstring format. rpcTarget \* RPC Target URL for the selected chainNamespace \* &chainId \*. \* We provide a default RPC Target for certain blockchains, but due to congestion it might be slow hence it is recommended to provide your own RPC Target URL. wsTarget Web socket target URL for the chain instring . displayName Display Name for the chain instring . blockExplorerUrl Blockchain's explorer URL instring . (eg:https://etherscan.io ) ticker Default currency ticker instring for the network (e.g:ETH ) tickerName Name for currency ticker instring (e.g:Ethereum ) decimals? Number of decimals in number for the currency ticker (e.g:18 ) logo Logo for the chain. isTestnet? Defines whether the network is testnet or not. declare

```

const
CHAIN_NAMESPACES :
{ readonly
EIP155 :
"eip155" ; readonly
SOLANA :
"solana" ; readonly
OTHER :
"other" ; } ;

```

```

declare
type
ChainNamespaceType
=
( typeof
CHAIN_NAMESPACES ) [ keyof
typeof
CHAIN_NAMESPACES ] ; declare
type
CustomChainConfig
=
{ chainNamespace :
ChainNamespaceType ; /* * The chain id of the chain/ chainId :
string ; /* * RPC target Url for the chain/ rpcTarget :
string ; /* * web socket target Url for the chain/ wsTarget ? :
string ; /* * Display Name for the chain/ displayName :
string ; /* * Url of the block explorer/ blockExplorerUrl :
string ; /* * Default currency ticker of the network (e.g: ETH)/ ticker :
string ; /* * Name for currency ticker (e.g:Ethereum)/ tickerName :
string ; /* * Number of decimals for the currency ticker (e.g: 18)/ decimals ? :
number ; /* * Logo for the chain/ logo :
string ; /* * Whether the network is testnet or not/ isTestnet ? :
boolean ; } ;

```

## Returns

- Object
- : The web3auth instance with all its methods and events.

## Instantiating a Provider

For getting the appropriate key for your selected chain, you need to instantiate a provider. This provider is used to make calls to the selected blockchain. Currently, Web3Auth exposes the following provider packages to be integrated within the SDKs:

- [EthereumPrivateKeyProvider](#)
- : For Ethereum and EVM compatible chains (secp256k1 private key)
- [SolanaPrivateKeyProvider](#)
- : For Solana Blockchain (ed25519 private key)
- [XRPLPrivateKeyProvider](#)
- : For XRP Ledger
- [CommonPrivateKeyProvider](#)
- : For other blockchains (secp256k1 private key)

Using these providers, you can export the private keys for the respective curves of the selected blockchain. You can use these keys to even create manual providers for other blockchains supporting the curves/ have conversion packages for their blockchain curves.

- ETH

- Solana
- XRPL
- Other Chains

Usage import

```
{
EthereumPrivateKeyProvider
}

from
"@web3auth/ethereum-provider" ; import
{
CHAIN_NAMESPACES
}

from
"@web3auth/base" ;
const privateKeyProvider =
new
EthereumPrivateKeyProvider ( { config :
/ pass the chain config that you want to connect with. all chainConfig fields are required/ chainConfig :
{ chainNamespace :
CHAIN_NAMESPACES . EIP155 , chainId :
"0x1" , rpcTarget :
"https://rpc.ankr.com/eth" , displayName :
"Ethereum Mainnet" , blockExplorer :
"https://etherscan.io" , ticker :
"ETH" , tickerName :
"Ethereum" , } , } , } ) ; Usage import
{
SolanaPrivateKeyProvider
}

from
"@web3auth/solana-provider" ; import
{
CHAIN_NAMESPACES
}

from
"@web3auth/base" ;
const privateKeyProvider =
new
```

```

SolanaPrivateKeyProvider ( { config :
{ / pass the chain config that you want to connect with. all chainConfig fields are required/ chainConfig :
{ chainNamespace :
CHAIN_NAMESPACES . SOLANA , chainId :
"0x1" , rpcTarget :
"https://rpc.ankr.com/solana" , displayName :
"Solana Mainnet" , blockExplorer :
"https://explorer.solana.com/" , ticker :
"SOL" , tickerName :
"Solana" , } , } , } ) ; Usage import
{
XrplPrivateKeyProvider
}
from
"@web3auth/xrpl-provider" ; import
{
CHAIN_NAMESPACES
}
from
"@web3auth/base" ;
const privateKeyProvider =
new
XrplPrivateKeyProvider ( { config :
{ / pass the chain config that you want to connect with. all chainConfig fields are required/ chainConfig :
{ chainNamespace :
CHAIN_NAMESPACES . OTHER , chainId :
"0x1" , rpcTarget :
"https://s.altnet.ripple.net:51234" , displayName :
"XRPL" , blockExplorer :
"https://testnet.xrpl.org" , ticker :
"XRP" , tickerName :
"XRP" , } , } , } ) ; Usage import
{
CommonPrivateKeyProvider
}
from
"@web3auth/base-provider" ; import

```

```

{
CHAIN_NAMESPACES
}

from
"@web3auth/base" ;

const privateKeyProvider =

new
CommonPrivateKeyProvider ( { config :

{ / pass the chain config that you want to connect with. all chainConfig fields are required/ chainConfig :

{ chainNamespace :

CHAIN_NAMESPACES . OTHER , chainId :

"0x1" , rpcTarget :

https://rpc.target.url , displayName :

"Display Name" , blockExplorer :

"https://chain.explorer.link" , ticker :

"TKR" , tickerName :

"Ticker Name" , } , } , } ) ;

```

## Whitelabeling<sup>â</sup>

### uiConfig

<sup>â</sup>

For customizing the redirect screens while logging in and constructing the key, you need to pass onWhiteLabelData in theuiConfig parameter to theuiConfig property of Web3Auth.

tip This is just one of the aspects of whitelabeling you can achieve with Web3Auth. To know more in-depth about how you can Whitelabel your application with Web3Auth, have a look at our[Whitelabeling SDK Reference](#) .

### Example<sup>â</sup>

```

const uiConfig :

WhiteLabelData

=

{ appName :

"My App" , appURL :

"https://example.com" , logoLight :

"https://example.com/logo-light.png" , logoDark :

"https://example.com/logo-dark.png" , defaultLanguage :

LANGUAGES . en , mode :

"light" , useLogoLoader :

true , theme :

{ primary :

```

```

"#FF0000" , secondary :
"#00FF00" , warning :
"#FFA500" , } , tncLink :
"https://example.com/terms" , privacyPolicy :
"https://example.com/privacy" , } ;
const web3auth =
new
Web3AuthNoModal ( { clientId :
"" ,
// Get your Client ID from the Web3Auth Dashboard chainConfig , web3AuthNetwork :
WEB3AUTH_NETWORK . SAPPHIRE_MAINNET , privateKeyProvider , uiConfig , } ) ;

```

## Example [a](#)

```

const chainConfig :
CustomChainConfig
=
{ chainNamespace :
CHAIN_NAMESPACES . EIP155 , chainId :
"0x1" , displayName :
"Ethereum Mainnet" , blockExplorer :
"https://etherscan.io" , ticker :
"ETH" , tickerName :
"Ethereum" , rpcTarget :
"https://rpc.ankr.com/eth" ,
// This is the mainnet RPC we have added, please pass on your own endpoint while creating an app } ; const
privateKeyProvider =
new
EthereumPrivateKeyProvider ( { config :
{ chainConfig }
} ) ; const web3auth =
new
Web3AuthNoModal ( { clientId :
"" ,
// Get your Client ID from the Web3Auth Dashboard chainConfig , web3AuthNetwork :
WEB3AUTH_NETWORK . SAPPHIRE_MAINNET , privateKeyProvider , uiConfig :
{ theme :
{ primaryColor :
"#FF0000" , secondaryColor :
"#00FF00" , textColor :

```

```
"#0000FF" , } , } , } ) ;
```

## Configuring Adapters

An adapter is a pluggable package that implements an `IAdapter` interface for a wallet within Web3Auth. An adapter can be plugged in and out of the web3auth modal. Each adapter exposes the provider on successful user login that can be used to invoke RPC calls on the wallet and connected blockchain. You can configure and use any of the adapters provided by Web3Auth, by just configuring them while initializing `Web3AuthNoModal`.

## Instantiating a Provider

For getting the appropriate key for your selected chain, you need to instantiate a provider. This provider is used to make calls to the selected blockchain. Currently, Web3Auth exposes the following provider packages to be integrated within the SDKs:

- [EthereumPrivateKeyProvider](#)
  - : For Ethereum and EVM compatible chains (secp256k1 private key)
- [SolanaPrivateKeyProvider](#)
  - : For Solana Blockchain (ed25519 private key)
- [XRPLPrivateKeyProvider](#)
  - : For XRP Ledger
- [CommonPrivateKeyProvider](#)
  - : For other blockchains (secp256k1 private key)

Using these providers, you can export the private keys for the respective curves of the selected blockchain. You can use these keys to even create manual providers for other blockchains supporting the curves/ have conversion packages for their blockchain curves.

- ETH
- Solana
- XRPL
- Other Chains

Usage import

```
{
EthereumPrivateKeyProvider
}

from
"@web3auth/ethereum-provider" ; import
{
CHAIN_NAMESPACES
}

from
"@web3auth/base" ;

const privateKeyProvider =
new
EthereumPrivateKeyProvider ( { config :
{ / pass the chain config that you want to connect with. all chainConfig fields are required/ chainConfig :
{ chainNamespace :
CHAIN_NAMESPACES . EIP155 , chainId :
"0x1" , rpcTarget :
"https://rpc.ankr.com/eth" , displayName :
```



"Ethereum Mainnet" , blockExplorer :

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

"ETH" , tickerName :

"Ethereum" , } , } , } ) ; Usage import

{

SolanaPrivateKeyProvider

}

from

"@web3auth/solana-provider" ; import

{

CHAIN\_NAMESPACES

}

from

"@web3auth/base" ;

const privateKeyProvider =

new

SolanaPrivateKeyProvider ( { config :

*{ / pass the chain config that you want to connect with. all chainConfig fields are required/* chainConfig :

{ chainNamespace :

CHAIN\_NAMESPACES . SOLANA , chainId :

"0x1" , rpcTarget :

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

"Solana Mainnet" , blockExplorer :

"https://explorer.solana.com/" , ticker :

"SOL" , tickerName :

"Solana" , } , } , } ) ; Usage import

{

XrplPrivateKeyProvider

}

from

"@web3auth/xrpl-provider" ; import

{

CHAIN\_NAMESPACES

}

from

"@web3auth/base" ;

const privateKeyProvider =

new

XrplPrivateKeyProvider ( { config :

*{ / pass the chain config that you want to connect with. all chainConfig fields are required/* chainConfig :

{ chainNamespace :

CHAIN\_NAMESPACES . OTHER , chainId :

"0x1" , rpcTarget :

"https://s.altnet.rippletest.net:51234" , displayName :

"XRPL" , blockExplorer :

"https://testnet.xrpl.org" , ticker :

"XRP" , tickerName :

"XRP" , } , } , } ) ; Usage import

{

CommonPrivateKeyProvider

}

from

"@web3auth/base-provider" ; import

{

CHAIN\_NAMESPACES

}

from

"@web3auth/base" ;

const privateKeyProvider =

new

CommonPrivateKeyProvider ( { config :

*{ / pass the chain config that you want to connect with. all chainConfig fields are required/* chainConfig :

{ chainNamespace :

CHAIN\_NAMESPACES . OTHER , chainId :

"0x1" , rpcTarget :

https://rpc.target.url , displayName :

"Display Name" , blockExplorer :

"https://chain.explorer.link" , ticker :

"TKR" , tickerName :

"Ticker Name" , } , } , } ) ;

## Configuring Openlogin Adapter

The default adapter of Web3Auth is the [openlogin-adapter](#) . This adapter is a wrapper around the [openlogin](#) library from Web3Auth and enables the social login features. For customising features of the main Web3Auth flow, like [Whitelabel](#) , [Custom Authentication](#) , etc. you need to customise the Openlogin Adapter.

tip Checkout the [openlogin-adapter](#) SDK Reference for more details on different configurations you can pass for

customisations.

## Whitelabeling

**whiteLabel**

[^](#)

For customising the redirect screens while logging in and constructing the key, you need to pass on whiteLabel configurations to the adapterSettings property of the [openlogin-adapter](#).

tip This is just one of the aspects of whitelabeling you can achieve with Web3Auth. To know more in depth about how you can Whitelabel your application with Web3Auth, have a look at our [Whitelabeling SDK Reference](#).

### Example

```
import
{
  OpenloginAdapter
}
from
"@web3auth/openlogin-adapter" ;
const openloginAdapter =
new
OpenloginAdapter ( { adapterSettings :
{ clientId ,
//Optional - Provide only if you haven't provided it in the Web3Auth Instantiation Code network :
"sapphire_mainnet" ,
// Optional - Provide only if you haven't provided it in the Web3Auth Instantiation Code uxMode :
"popup" , whiteLabel :
{ appName :
"W3A Heroes" , appUrl :
"https://web3auth.io" , logoLight :
"https://web3auth.io/images/web3auth-logo.svg" , logoDark :
"https://web3auth.io/images/web3auth-logo---Dark.svg" , defaultLanguage :
"en" ,
// en, de, ja, ko, zh, es, fr, pt, nl, tr mode :
"dark" ,
// whether to enable dark mode. defaultValue: auto theme :
{ primary :
"#00D1B2" , } , useLogoLoader :
true , } , } , privateKeyProvider , } ) ; web3auth . configureAdapter ( openloginAdapter ) ;
```

## Custom Authentication

**loginConfig**

[^](#)

With Web3Auth, you have the option to configure logins using your own authentication services. For adding your own authentication, you have to first configure your verifiers in the Web3Auth Dashboard. Have a look at our [Custom Authentication Documentation](#) for configuring that first.

Custom Authentication in Web3Auth is supported by the Openlogin Adapter, which is the default adapter for the Web3Auth SDK. For this, you need to configure the `loginConfig` parameter in the `adapterSettings` of the `openlogin-adapter` package.

tip Refer to the [Custom Authentication Documentation](#) for more information.

#### Example<sup>[^](#)</sup>

Since we're using the `@web3auth/no-modal`, ie. the Plug and Play No Modal SDK, the `loginConfig` can include custom JWT-based authentication as well. This way, we can use any of our preferred login providers and further setup their configs while logging the user in and passing over the `extraLoginOptions` in the `connectTo` function. Read more about this in the [Custom Authentication Guide](#).

```
import
{
  OpenloginAdapter
}
from
"@web3auth/openlogin-adapter" ;

const openloginAdapter =
new
OpenloginAdapter ( { adapterSettings :
{ clientId ,
//Optional - Provide only if you haven't provided it in the Web3Auth Instantiation Code network :
"sapphire_mainnet" ,
// Optional - Provide only if you haven't provided it in the Web3Auth Instantiation Code uxMode :
"popup" , loginConfig :
{ jwt :
{ verifier :
"YOUR-VERIFIER-NAME-ON-WEB3AUTH-DASHBOARD" , typeOfLogin :
"jwt" , clientId :
"YOUR-CLIENTID-FROM-LOGIN-PROVIDER" , } , } , } , privateKeyProvider , } ) ;
web3auth . configureAdapter ( openloginAdapter ) ;
```

## Configuring External Wallet Adapters<sup>[^](#)</sup>

### configureAdapter(ADAPTER)

<sup>[^](#)</sup>

To configure an adapter, create the instance of adapter by using its corresponding package and pass the returned adapter instance in `configureAdapter` function.

tip Refer to the [Adapters documentation](#) to know more deeply about what adapters are available and how to configure them.

#### Example<sup>[^](#)</sup>

If you want to configure the Torus EVM Wallet Adapter

- Import theTorusWalletAdapter
- from@web3auth/torus-evm-adapter
- package
- Create an instance of the adapter along with the configuration
- Pass the returned instance in toweb3auth.configureAdapter

```
import
{
  TorusWalletAdapter
}
from
"@web3auth/torus-evm-adapter" ;

const torusAdapter =
new
TorusWalletAdapter ( { adapterSettings :
{ clientId ,
//Optional - Provide only if you haven't provided it in the Web3Auth Instantiation Code buttonPosition :
"bottom-left" , } , loginSettings :
{ verifier :
"google" , } , initParams :
{ buildEnv :
"testing" , } , chainConfig :
{ chainNamespace :
CHAIN_NAMESPACES . EIP155 , chainId :
"0x1" , rpcTarget :
"https://rpc.ankr.com/eth" ,
// This is the mainnet RPC we have added, please pass on your own endpoint while creating an app displayName :
"Ethereum Mainnet" , blockExplorerUrl :
"https://etherscan.io/" , ticker :
"ETH" , tickerName :
"Ethereum" , logo :
"https://images.toruswallet.io/eth.svg" , } , } ) ;
web3auth . configureAdapter ( torusAdapter ) ;
```

## Subscribing the Lifecycle Events[â](#)

Subscribing to events help you trigger responses based on the status of the connection of the user. An adapter emits certain events likeCONNECTED ,CONNECTING andDISCONNECTED etc during login lifecycle of a user. For example, you can use this to show an error message, if the user is not connected to the network. Generally, this is not a required step and should be done only if needed in particular cases.

info This step is totally optional. If you don't want to use any plugins, feel free to skip this section. tip If you're using theuxMode: "redirect" option within your[openlogin-adapter](#) configuration, you need to subscribe to the event to handle the logging in implicitly. This is because, when redirected to a different application, the app state is not updated as per the login status. Using a lifecycle method to check this, one can easily handle the login status within the constructor function.

## on(EVENT, CALLBACK)

[â](#)

Web3Auth provides the following lifecycle event to check the login status:

### Adapter Events[â](#)

- Table
- Type Declarations

Event Trigger with@web3auth/base package Trigger without package Description ADAPTER\_DATA\_UPDATED ADAPTER\_EVENTS.ADAPTER\_DATA\_UPDATED "adapter\_data\_updated" Adapter data is updated within the dApp NOT\_READY ADAPTER\_EVENTS.NOT\_READY "not\_ready" Adapter is not yet ready for login READY ADAPTER\_EVENTS.READY "ready" Adapter is ready for login CONNECTING ADAPTER\_EVENTS.CONNECTING "connecting" User is connecting to the dApp/ login process is in progress CONNECTED ADAPTER\_EVENTS.CONNECTED "connected" User is logged in and connected with the dApp DISCONNECTED ADAPTER\_EVENTS.DISCONNECTED "disconnected" User is logged out and disconnected from the dApp ERRORED ADAPTER\_EVENTS.ERRORED "errored" There has been some error in connecting the user to the dApp declare

```
const
```

```
ADAPTER_EVENTS :
```

```
{ readonly
```

```
ADAPTER_DATA_UPDATED :
```

```
"adapter_data_updated" ; readonly
```

```
NOT_READY :
```

```
"not_ready" ; readonly
```

```
READY :
```

```
"ready" ; readonly
```

```
CONNECTING :
```

```
"connecting" ; readonly
```

```
CONNECTED :
```

```
"connected" ; readonly
```

```
DISCONNECTED :
```

```
"disconnected" ; readonly
```

```
ERRORED :
```

```
"errored" ; } ;
```

### Example[â](#)

```
import
```

```
{
```

```
ADAPTER_EVENTS
```

```
}
```

```
from
```

```
"@web3auth/base" ;
```

```
// subscribe to lifecycle events emitted by web3auth const
```

```
subscribeAuthEvents
```

```

=
( web3auth :
Web3Auth )
=>
{ web3auth . on ( ADAPTER_EVENTS . CONNECTED ,
( data :
CONNECTED_EVENT_DATA )
=>
{ console . log ( "connected to wallet" , data ) ; // web3auth.provider will be available here after user is connected } ) ;
web3auth . on ( ADAPTER_EVENTS . CONNECTING ,
( )
=>
{ console . log ( "connecting" ) ; } ) ; web3auth . on ( ADAPTER_EVENTS . DISCONNECTED ,
( )
=>
{ console . log ( "disconnected" ) ; } ) ; web3auth . on ( ADAPTER_EVENTS . ERRORED ,
( error )
=>
{ console . log ( "error" , error ) ; } ) ; web3auth . on ( ADAPTER_EVENTS . ERRORED ,
( error )
=>
{ console . log ( "error" , error ) ; } ) ; } ;

```

## Configuring Plugins<sup>â</sup>

Plugins are essentially extensions to the core functionality of Web3Auth, allowing you to add additional features to your dApp. These features can be used to extend the UI functionalities, making your integration more interoperable, and a lot more, even having the functionality to be customised extremely and to your liking.

info This step is totally optional. If you don't want to use any plugins, feel free to skip this section. Currently Web3Auth supports the following two plugins:

- [@web3auth/torus-wallet-connector-plugin](#)
- [@web3auth/solana-wallet-connector-plugin](#)

tip Learn about adding plugins to your Web3Auth instance [here](#) .

### showWalletConnectScanner()

<sup>â</sup>

Shows the Wallet Connect Scanner to connect with dApps having Wallet Connect login option. This is useful for interoperability with dApps having Wallet Connect login option.

### Example<sup>â</sup>

```

import
{
WalletServicesPlugin

```

```

}

from
"@web3auth/wallet-services-plugin" ;

const walletServicesPlugin =
new
WalletServicesPlugin ( ) ; web3auth . addPlugin ( walletServicesPlugin ) ;

// Add the plugin to web3auth

await walletServicesPlugin . showWalletConnectScanner ( ) ;

```

### **initiateTopup()**

[â](#)

Shows the TopUp modal to select local currency and amount to top up the wallet.

### **Example**[â](#)

```

import
{
WalletServicesPlugin
}

from
"@web3auth/wallet-services-plugin" ;

const walletServicesPlugin =
new
WalletServicesPlugin ( ) ; web3auth . addPlugin ( walletServicesPlugin ) ;

// Add the plugin to web3auth

await walletServicesPlugin . showCheckout ( ) ;

// Opens the TopUp modal

```

## **Initializing Web3Auth**[â](#)

### **init()**

[â](#)

The final step in the whole initialization process is the initialize theWeb3AuthNoModal instance, ie.web3auth in our case.

This is done by calling theinit function of theweb3auth instance we created above.

await web3auth . init ( ) ; This is a simple function, that doesn't take any input, nor does return anything. It just makes sure that theweb3auth instance is initialized and ready for the user to log in. [Edit this page](#) [Previous](#) [Install](#) [Next](#) [Usage](#)