

# Initializing PnP iOS SDK

After installation, the next step to use Web3Auth is to initialize the SDK. However, the initialization can be done in two ways,

- [CreatingWeb3Auth.plist](#)
- [UsingWeb3Auth instance](#)

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.

## CreatingWeb3Auth.plist

[â](#)

### SetupWeb3Auth.plist

[â](#)

In your application bundle add a plist file namedWeb3Auth.plist with the following information:

< plist

## version

" 1.0 "

< dict

< key

ClientId </ key

< string

YOUR\_WEB3AUTH\_CLIENT\_ID </ string

< key

Network </ key

< string

sapphire\_mainnet | sapphire\_devnet | mainnet | cyan | aqua | testnet </ string

</ dict

</ plist

When you have a Web3Auth.plist and have specified your Web3Auth configuration there, you can simply construct your Web3Auth instance with

import

Web3Auth

let web3auth =

Web3Auth ( )

## UsingWeb3Auth

instance[â](#)

If you don't want to create a plist file and want to use optional configuration parameters, you can construct the Web3Auth instance with

import

Web3Auth

let web3auth =

Web3Auth ( W3AInitParams ( clientId :

"" , network :

. sapphire\_mainnet , ) )

## W3AInitParams

object

TheWeb3Auth constructor takes an object calledW3AInitParams as input. Below are the available fields of theW3AInitParams object.

Parameter Description clientId Your Web3Auth Client ID. You can get it from Web3Auth [Dashboard](#) under project details. It's a mandatory field of typeString network Defines the Web3Auth network. It's a mandatory field of type Network. Available options sapphire\_mainnet , sapphire\_devnet , mainnet , cyan , aqua , and testnet . redirectUrl URL that Web3Auth will redirect API responses upon successful authentication from browser. It's a mandatory field of typeURL . whiteLabel? WhiteLabel options for web3auth. It helps you define custom UI, branding, and translations for your brand app. It takesW3AWhiteLabelData as a value. loginConfig? Login config for the custom verifiers. It takes Dictionary of[String: W3ALoginConfig] as a value. useCoreKitKey? Use CoreKit Key to get core kit key. It's an optional field with default value asfalse . chainNamespace? Chain Namespace [eip155 and solana ]. It takesChainNamespace as a value. mfaSettings? Allows developers to configure the Mfa settings for authentication. It takesMfaSettings as a value. 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 [Edit this page](#) [Previous](#) [Install](#) [Next](#) [Usage](#)