What's New

Release Date	Aug 31, 2022
SDK Version	1.8.10
Summary	Introduced capability ● to connect BlockID wallet to DApps (decentralised application) ● for transaction signing ● for personal signing

Prerequisites

1. WalletConnect Project ID
   a. Register a project into the cloud application (https://cloud.walletconnect.com/app) to get Project ID with your project
   b. The project ID allows you to start using the relay network immediately, and is needed during SDK initialization

Known Issues

1. The SDK is created with the *ENABLE BITCODE* option set to *NO*

Assumptions

This document provides detailed information about the dependencies, classes, methods, etc. introduced w.r.t. Wallet Connect Signing (Transaction and Personal) feature only.

Refer below SDK documentation for more details.

1. Overview:
   https://developer.1kosmos.com/devportal/docs/mobile-sdk/overview
2. Integration Guide:
   https://developer.1kosmos.com/devportal/docs/mobile-sdk/ios/integration-guide
3. API Reference:
   https://developer.1kosmos.com/devportal/docs/mobile-sdk/ios/api-reference

1KOSMOS

Integration Changes

The SDK should be integrated manually in the application.

Xcode

1. Xcode 13.2.1 is used to build this version of the BlockID SDK
2. The minimum supported iOS deployment version is now iOS 13.0
3. It is recommended to use the same version for your application development

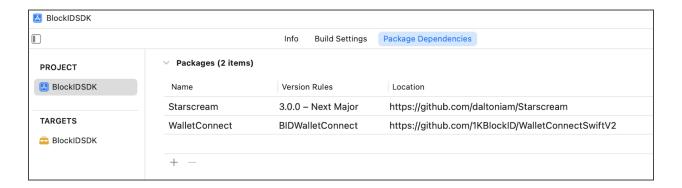## Add Dependencies - Cocoapods

> **// Web3**
>
> pod 'Web3', :git => 'https://github.com/Boilertalk/Web3.swift.git', :tag => '0.4.2'

Add Dependencies - SPM

This version of BlockID SDK depends upon the below 2 libraries (Swift Packages). Add these libraries as Package Dependencies in your project.

1. WalletConnect:
   a. URL: https://github.com/1KBlockID/WalletConnectSwiftV2
   b. Branch: BIDWalletConnect
2. Starscream:
   a. URL: https://github.com/daltoniam/Starscream.git
   b. Version: 3.0.0 - Next Major

Name	Version Rules	Location
Starscream	3.0.0 – Next Major	https://github.com/daltoniam/Starscream
WalletConnect	BIDWalletConnect	https://github.com/1KBlockID/WalletConnectSwiftV2

Class Reference

WalletConnectHelper

A singleton class that provides applications to

- Connect BlockID SDK wallet to DApps
- Transaction signing
- Personal signing

Note: The SDK must be initialized and ready before using the WalletConnectHelper class.

Method Summary

public init(projectID: String, metadata: AppMetadata, delegate: WalletConnectDelegate)

Description: Initializes and creates an object of the WalletConnectHelper class for given project id and application metadata.

public func connect(uri: String)

Description: Connect a client with a URI generated by the proposer.
public func approveConnection(sessionProposal: Session.Proposal)   *Description:* Approves the requested session. A session is created between the proposer and responder.
public func rejectConnection(sessionProposal: Session.Proposal)   *Description:* Rejects the requested session.
public func approveSession(request: Request)   *Description:* Signs the transaction for a given session. Allowed methods are *eth_signTransaction* and *personal_sign* in the *Request* object.
public func rejectSession(request: Request)   *Description:* Rejects the transaction for a given session.
public func getActiveSessions() -> [ActiveSessionItem]   *Description:* Returns list of active sessions.
public func disconnect(session: ActiveSessionItem)   *Description*: Disconnect the given active session.

Protocol Reference

WalletConnectDelegate

Defines methods for callback events related to wallet connect/ disconnect, transaction and personal signing requests.

Method Summary

func onSessionProposal(sessionProposal: Session.Proposal?)

Description: A callback method to indicate that the proposer has sent a connection (pairing) request.

func onSessionRequest(request: Request)

Description: A callback method triggered when a signing request (transaction, personal) is received.

func onSessionSettleResponse(sessions: [ActiveSessionItem])

Description: A callback method indicating if there is change in the active session list.

func onSessionDisconnect(remainingSession: [ActiveSessionItem])

Description: A callback method triggered when the active session is disconnected.

func onError(error: Error)

Description: A callback method triggered when there is an error.