

Conio

platform [iOS](#) platform [Android](#) [spm compatible](#) [artifactory](#) [v0.5.0](#)

Conio SDK provides a set of Android and iOS native APIs for Conio services to let you create native applications with Crypto Wallets and Crypto Trading functionalities.

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Old

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Changelog

- iOS
- Android

iOS

0.7.0 - 07-06-2022

Added

- Model `CryptoSellParams` to replace `SellParams`
- `ConioError.onNetwork` to wrap network communication errors

Changed

- `SellParams` deprecated
- Factory init used to create/refresh an ask with all user available amount

Fixed

- Always throw `ConioError.unauthorized` on session expired

0.6.10 - 09-02-2022

Changed

- Update legal acceptances

0.6.9 - 08-02-2022

Changed

- Error mapping as `unauthorized` on 401 status code

0.6.8 - 28-01-2022

Added

- Transaction speedup
- Reset password flow APIs
- KYC create applicant params public init
- KYC trigger check params public init
- User data handling APIs
- User permissions map update

Changed

- Updated model: withdrawal transaction, available fee

Fixed

- Signup B2B wallet encrypt with hashed password
- Bad cancellables store in operations
- Missing password hash on B2B signup

0.6.2 - 17-11-2021

Changed

- Wallet service `walletPDFActivities`, `limit` in `PDFActivitiesParams` now optional

Added

- User service `getLegalAcceptances`, new `preContractualInfoUrl` param in `LegalAcceptances` response

0.6.0 - 02-11-2021

Added

- User service `changeEmail`

0.5.0 - 11-10-2021

Changed

- Data serialization and mapping
- Code refactor and optimizations

0.4.0 - 13-09-2021

Fixed

- Wrong mapping for `rangeFrom` property in `ServiceFee`

Changed

- Update `rangeFrom` type from `UInt64?` to `FiatAmount?` in `ServiceFee`

0.3.3 - 07-09-2021

Changed

- Rename `tradedFiat` to `weightedBidBalance` in `TradingInfo.swift` as per docs specifications

0.3.2 - 20-07-2021

Added

- Bitcoin network `privateMainnet` and `privateTestnet`

0.3.1 - 19-07-2021

Fixed

- Avoid using app bundle identifier during keychain init

0.3.0 - 14-07-2021

Changed

- Added missing filters params in `ActivitiesParams` to correctly get wallet activities
- Refactor on SDK errors: `ConioError` is now the only error type throwable (check [operation](#) section)

0.2.0 - 06-07-2021

Changed

- SDK configuration object `ConioConfiguration` has no default value and must be explicitly initialized

Fixed

- Fix wrong privacy policies url mapping in `GetLegalAcceptancesOperation`
- Avoid build error on Xcode 12.4 in `OpenAPIConioBuilder`

0.1.6 - 25-06-2021

Changed

- Explicit fees represented as intervals
- `WiretransferPayeeInfo` in `CreatedBid` has now two dedicated properties representing standard and custom wire transfer payee info
- `CreatedBid` now contains net cost amount `fiatAmount` and gross amount `grossFiatAmount`
- All fiat amounts are now represented as `Decimal`

0.1.5 - 15-06-2021

Changed

- `Models` update
- `Bid`, `Ask` e `Transaction` properties linked to amount/balance now are declared with type `UInt64`

Added

- `ConioError` entity to map operation errors

0.1.4 - 10-06-2021

Changed

- `Models` update
- `Bid`, `Ask`, `WalletBalances` e `SimpleActivity` properties now have public control access

- `Bid`, `Ask`, `WalletBalances` e `SimpleActivity` properties linked to amount/balance now are declared with type `UInt64`

Removed

- Removed `SwiftRSA` from dependencies included in `ConioSDK`

0.1.3 - 03-06-2021

Fixed

- Correzione errore signup operation

0.1.0 - 12-04-2021

Added

- Rilascio versione 0.1.0

Android

0.8.11 - 7-06-2022

Added

- `ConioException.OnNetwork` to wrap network communication errors

Fixed

- Always throw `ConioException.Unauthorized` on session expired

0.8.3 - 24-03-2022

Fixed

- Initialization error caused by unusable KeyStore keys

0.8.0 - 9-03-2022

Changed

- Minimum Android version supported to *Android 6.0* (Android Sdk Version: 23)
- Improved performance
- `SellParams` deprecated

Added

- Factory method `CreateOrRefreshAskParams.withAll` to request an Ask with the maximum sellable amount
- Model `CryptoChangeEmailParams` to replace `ChangeEmailParams`
- Model `CryptoSellParams` to replace `SellParams`

0.7.18 - 8-02-2022

Changed

- Solved retro-compatibility with OkHttp 3.x
- Removed appsync dependency

0.7.16 - 4-02-2022

Changed

- Downgraded OkHttp to 3.14.9

0.7.15 - 3-02-2022

Changed

- Improved concurrency on service layer
- Updated OkHttp to 4.9.0

0.7.13 - 24-01-2022

Fixed

- Compatibility issue below Api level 26

0.7.9 - 26-11-2021

Changed

- Legal text copies on the `LegalAcceptances` model

0.7.8 - 17-11-2021

Changed

- Wallet service `activityListPdf`, `limit` in `ActivityListPdfParams` now nullable

Added

- User service `getLegalAcceptances`, new `preContractualInfoUrl` param in `LegalAcceptances` response

0.7.4 - 02-11-2021

Added

- User service `changeEmail`

0.7.2 - 20-10-2021

Added

- API to get activities in PDF format

0.7.0 - 11-10-2021

Changed

- Data serialization and mapping
- Code refactor and optimizations

0.6.2 - 03-08-2021

Fixed

- Security issue

0.6.1 - 29-07-2021

Changed

- Refactor on SDK errors: `ConioException` as the operations result error type

0.6.0 - 28-07-2021

Changed

- Refactor on SDK errors: `ConioException` is now the only error type throwable (check [operation](#) section)

0.5.4 - 26-07-2021

Fixed

- Made `cro`, `iban` and `chargedAt` fields of `Ask` class optional
- Made `paidAt` field of `Ask` class non-optional

0.5.3 - 20-07-2021

Added

- Bitcoin network `privateMainnet` and `privateTestnet`

0.5.1 - 14-07-2021

Fixed

- Fix factory methods of `TimeFrame` class

0.5.0 - 06-07-2021

Changed

- SDK configuration object `ConioConfiguration` has no default value and must be explicitly initialized

0.4.8 - 25-06-2021

Changed

- Explicit fees represented as intervals
- `WiretransferPayeeInfo` in `CreatedBid` has now two dedicated properties representing standard and custom wire transfer payee info
- `CreatedBid` now contains net cost amount `fiatAmount` and gross amount `grossFiatAmount`
- All fiat amounts are now represented as `BigDecimal`

Removed

- Removed `type` property from `ServiceFee` entity
- Renamed `id` property of model entities:
 - `CreatedAsk.id` -> `CreatedAsk.askId`
 - `CreatedBid.id` -> `CreatedBid.bidId`
 - `SimpleActivity.id` -> `SimpleActivity.activityId`
 - `ActivityDetails.id` -> `ActivityDetails.activityId`

Added

- `ConioError`:
 - `INVALID_CRYPTOPROOF`,
 - `CRYPTOPROOF_EXPIRED`

0.4.7 - 01-06-2021

Added

- Aggiunta di `weightedBidBalance` alle `TradingInfo` : controvalore investito

modified

- Modifica alle `TradingFees` : supporto fasce di commissioni

0.4.2 - 13-04-2021

Added

- Rilascio versione 0.4.2

0.4.1 - 12-04-2021

Added

- Rilascio versione 0.4.1

iOS Installation

Prerequisites

- iOS 13+
- [Autoconf](#) installed
- [Automake](#) installed
- [Libtool](#) installed

Consider using MacOS package manager [Brew](#) to install `Autoconf`, `Automake` e `Libtool`.

```
# Install Brew
/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"

# Install Autoconf, Automake and Libtool
brew install autoconf automake libtool
```

Swift Package Manger

Simply add the following lines to dependencies of your `Package.swift`:

```
.package(url: "git@bitbucket.org:squadrone/conio-sdk-b2b-ios.git", .upToNextMinor(from: "2.0.0"))
```

Note: in order to correctly fetch package you will need to have access to project repository.

Troubleshooting

If you get the following error:

```
autoreconf: failed to run aclocal: No such file or directory
```

try the following command:

```
brew install autoconf && brew install automake
```

If you get the following error: `Can't exec "/opt/local/bin/aclocal": No such file or directory` Uninstall MacPorts with: `sudo port -fp uninstall --follow-dependents`
installed

Android Installation

Prerequisites

- Min Android SDK: 23 (Android 6.0 “Marshmallow”)

Installation

The Conio Android SDK is located in a private Maven repository on *JBfrog Artifactory*, so it is necessary to configure the authentication as follow.

- Add the Artifactory credentials provided by Conio to your global `gradle.properties`

```
artifactory_user=<username provided by Conio>
artifactory_password=<password provided by Conio>
```

- Add the Conio Artifactory repository to your `build.gradle`

```
repositories {
    // ...
    maven {
        url "https://artifactory.conio.com/artifactory/gradle-release-
local"
        credentials(PasswordCredentials) {
            username "${artifactory_user}"
            password "${artifactory_password}"
        }
    }
}
```

- Add the Conio SDK dependency

```
dependencies {
    // ...
    implementation 'com.conio:sdk-b2b:[VERSION]'
}
```


iOS Configuration

`ConioB2BSDK` is divided into multiple services, each one providing a different set of APIs.

(TBD)

Android Configuration

To use the Conio SDK, you need to create an instance of the `Conio` class, providing an Android `Context` and a `ConioConfiguration`.

The `ConioConfiguration` allow you to specify the execution environment of the Conio SDK (e.g. test or production) and can be created with the url of the Conio Back-end and with the related Bitcoin Network.

```
val configuration = ConioConfiguration(  
    // required  
  
    baseUrl = "https://example.test.com",  
    bitcoinNetwork = BitcoinNetwork.Testnet, // or BitcoinNetwork.Mainnet for  
    production enviroment  
  
    // optional  
  
    // http headers added to each request, usefull for debug purpose  
    headers = mapOf("header_key" to "header_value"),  
)  
  
val conio = Conio(configuration, context)
```

User Service

The `UserService` contains all the APIs used to manage a Conio user.

APIs

Login

- [User Login](#)

Signup

- [User Signup](#)

Logout

- [User Logout](#)

Fetch Legal Acceptances

- [Fetch Legal Acceptances](#)

Fetch User Permissions

- [Fetch Permissions](#)

Accept New Legal Acceptances

- [Accept New Legal Acceptances](#)

Trading Info Service

The `TradingInfoService` contains all the APIs used to manage a Conio user trading profile and information.

APIs

Fetch Trading Fees

- [Fetch Trading Fees](#)

Fetch Trading Summary

- [Fetch Trading Summary](#)

Fetch Trading Limits

- [Fetch Trading Limits](#)

Fetch Trading Report

- [Fetch Trading Report](#)

Wallet Service

The `WalletService` contains all the APIs that provides information about the user Wallets, such balance and mnemonic.

APIs

Balance

- [Fetch Balances](#)

Mnemonic

- [Fetch Mnemonic](#)

BTC Transaction Management Service

The `BtcTransactionManagementService` contains all the APIs responsible for managing Bitcoin transactions, including sending bitcoin, receiving bitcoin and speeding up transactions.

APIs

Receive

- [Fetch Address](#)

Send

- [Send Bitcoin](#)

Speed Up

- [Speed Up Transaction](#)

Transaction Available Fees

- [Fetch Transaction Available Fees](#)

Speed Up Transaction Available Fees

- [Fetch Speed Up Available Fees](#)

Trading Buy Service

The `TradingBuyService` contains all the APIs designed to facilitate the purchase of cryptocurrencies through trading operations. It provides methods for creating bids, updating bids, purchasing cryptocurrencies and fetching bid information.

APIs

Create New Bid

- [Create Bid](#)

Update Existing Bid

- [Update Bid](#)

Fetch Existing Bid

- [Fetch Bid](#)

Buy Cryptocurrency

- [Buy](#)

Trading Sell Service

The `TradingSellService` contains all the APIs designed to facilitate the sale of cryptocurrencies through trading operations. It provides methods for creating asks updating asks, selling cryptos, and fetching ask information.

APIs

Create New Ask

- [Create Ask](#)

Update Existing Ask

- [Update Ask](#)

Fetch Existing Ask

- [Fetch Ask](#)

Sell Bitcoin

- [Sell](#)

Trading Price Service

The `TradingPriceService` contains all the APIs that provides cryptocurrencies trading price information.

APIs

Fetch Current Cryptocurrency Price

- [Fetch Price](#)

Fetch Historical Cryptocurrency Price

- [Fetch Historical Prices](#)

Fetch All Current Cryptocurrencies Prices

- [Fetch All Prices](#)

Fetch Tradable Cryptocurrencies Metadata

- [Fetch Tradable Crypto Metadata](#)

Swap Service

The `SwapService` contains all the APIs designed to facilitate the cryptocurrency swap functionality. The service manages the process of creating, updating, fetching, and finalizing swaps between cryptocurrencies.

APIs

Create New Swap

- [Create Swap](#)

Update Existing Swap

- [Update Swap](#)

Fetch Existing Swap

- [Fetch Swap](#)

Swap Cryptocurrency

- [Swap](#)

Transfer Service

The `TransferService` contains all the APIs designed to facilitate the cryptocurrency amount transferring from an On-Chain Wallet to an Off-Chain Wallet of the same cryptocurrency and viceversa. The service manages the process of creating, updating, fetching, and finalizing transfer cryptocurrency between On-Chain and Off-Chain Wallet.

APIs

Create New Transfer

- [Create Transfer](#)

Update Existing Transfer

- [Update Transfer](#)

Fetch Existing Transfer

- [Fetch Transfer](#)

Transfer Cryptocurrency Amount

- [Transfer](#)

Activities Service

The `ActivitiesService` contains all the API that provides information about wallets transactions.

APIs

Activities

- [Fetch Activities](#)

Single Activity

- [Fetch Activity](#)