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# IOS SDK Documentation

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## 1. Introduction

Essentially Precise has developed an SDK that you can utilize in your mobile application to integrate SMS services directly by connecting to our platform and without the need to do additional programming or API integrations. This document will cover the details of the SDK on IOS platform, how this can be implemented in your code and how to initiate SMS. Sample codes are also provided. For Android SDK, please check Android SDK download section on [www.tobeprecisesms.com](http://www.tobeprecisesms.com)

## 2. How to Configure your Project

The name of the SDK is TbpSMS (supports iOS 10+ / Xcode 10+). Once downloaded and added to your folder, please follow the below steps to configure in your project.

1. Copy TbpSMS frameworks to your main project directory
2. Add TbpSMS to Linked Frameworks and Libraries
3. Add it to Embedded Binaries.

You are all set to start using the SDK in your project !

### 2.1 Parameter details

In order to use the SMS service, some of the parameters in the SDK are mandatory. These are listed below. For more details on these parameters, visit [www.tobeprecisesms.com](http://www.tobeprecisesms.com) and download our API documentation.

- User Name
- Password
- Mobile Number
- Message
- Sender Name



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### 3. Using TbpSMS SDK

Before you can start using the SDK, please make sure you have the user name and password of your SMS account created on <https://portal.tobeprecisesms.com> platform. If you do not have an account yet, please write to [support@tobeprecisesms.com](mailto:support@tobeprecisesms.com) for getting help. Once the account is obtained, follow the below steps.

- Import TbpSMS to start access SMS API's  
Example: `import TbpSMS`
- After importing set user and password before accessing any SMS API's  
`SMSManager.user = "<your user name>"`  
`SMSManager.password = "<your password>"`

Once the initial setups are done, you can use one of the following functions of the SDK.

#### 3.1 Checking Balance

To check the balance in your account before sending any SMS or to know if you have to purchase additional credits, use the method "GetBalance". Sample is as below.

```
SMSManager.GetBalance(completionHandler: { (response) in
    print(response) //In response you will get balance details in json
}) { (error) in
    print(error) //Incase of error you will get error description as string.
}
```

#### 3.2 Sending Single SMS message

This method is used for sending SMS to one single number. This is useful if you are sending a test or OTP messages. Please avoid using this method to send bulk SMS.

Below code snippet will explain how to use the Single message method – "SingleSMS".

```
SMSManager.SingleSMS(
    MobileNumbers: ["971551234567"], //Mandatory
    Message: "This is sample", //Mandatory
    SenderName: "XXXYYY", //Mandatory
    //Below parameters are optional, remove from method signature if not used.
```



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```
ReportRequired: true,  
CallbackQueryString: "paramX=12345&paramY=abc",  
ReferenceName: "sample string",  
BrightLinks: true,  
BrightLinksBaseURL: "http://prc.is",  
BrightLinksFinalURL: "http://www.example.com",  
completionHandler: { (response) in  
    print(response) //json response SMS sent details  
} { (error) in  
    print(error) //Incase of error you will get error description as string.  
}
```

### 3.3 Sending Bulk SMS

This method is similar to SingleSMS, except that here you can send the same message to multiple mobile numbers at the same time. The below sample code snippet highlights on how to use the “BulkSMS” method. An additional feature in Bulk SMS method is where you can schedule the SMS for a later delivery.

```
SMSManager.BulkSMS (  
MobileNumbers: ["971551234567","971501234567"], //Mandatory  
Message:"This is sample", //Mandatory  
SenderName: "XXXYYY", //Mandatory  
//Below parameters are optional, remove from method signature if not used.  
ScheduledDate: "2017-01-31T14:49:59.5746271+04:00",  
RemoveDuplicates: true,  
ReferenceName: "sample string 5",  
ReportRequired: false,  
CallbackQueryString: "paramX=12345&paramY=abc",  
ReturnIndividualResponse: true,  
AsynchronousSubmission: false,  
BrightLinks: true, BrightLinksBaseURL: "http://prc.is",  
BrightLinksFinalURL: "http://www.example.com", completionHandler: { (response) in  
    print(response)//json response SMS sent details  
} { (error) in  
    print(error) //Incase of error you will get error description as string.  
}
```



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**Note:** **ScheduledDate** format is "2019-01-31T14:49:59.5746271+04:00", if you pass incorrect format or empty date and time, the message will be immediately scheduled and broadcasted.

**Bright Links** is used for converting your URL within the message to shorter links and for tracking purpose. For more details on Bright Links or to enable for your account, please contact your account manager.

### 3.4 Sending Customized Message

Customized message method ("CustomSMS") allows you to send bulk SMS, but with the possibility to change the message for each number. Below code highlights on how to use this method.

```
SMSManager.CustomSMS(  
    MessageDetails: ["971501234567" : "message1", "971551234567" : "message2"], //Mandatory  
    SenderName: "XXXYYY", //Mandatory  
    //Below parameters are optional, remove from method signature if not used.  
    ScheduledDate: "2017-01-31T14:49:59.5746271+04:00",  
    RemoveDuplicates: true,  
    ReferenceName: "sample reference name",  
    ReportRequired: false,  
    CallbackQueryString: "paramX=12345&paramY=abc",  
    ReturnIndividualResponse: true,  
    AsynchronousSubmission: false,  
    BrightLinks: true,  
    BrightLinksBaseURL: "http://prc.is",  
    BrightLinksFinalURL: "http://www.example.com",  
    completionHandler: { (response) in  
        print(response)//json response SMS sent details  
    } { (error) in  
        print(error) //Incase of error you will get error description as string.  
    }  
)
```

## 4. Reports and Analytics

All your SMS reports are available on our web portal <https://portal.tobeprecisesms.com> and can be viewed or downloaded using the same SMS account credentials. You can also generate detailed analytics based on Sender name, Country or Delivery status.



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## 5. Support

For any support related to SDK, SMS delivery or our platform, please feel free to visit our website or email to [support@tobeprecisesms.com](mailto:support@tobeprecisesms.com) Make sure to provide as much details as possible and also mention the user name of your account for faster response.