

Nativescript (v2.3.x)

Changelog

Version 1.0.0

- Initial release
- Using cmbSDK v2.2.1 for android and v2.2.3 for iOS

Install cmbSDK Nativescript plugin in your application

From the command prompt go to your app's root folder.

You can use our plugin from npm (recommended) or you can download from [here](#) and use from local path.

```
tns plugin add cmbsdk-nativescript # or local path
```

Implement cmbSDK Nativescript plugin in your application

The best way to explore the usage of the plugin is to check our demo app. You can download our demo app from [here](#).

Once you download navigate to demo app root folder and run demo application:

```
cd cmbSDK_Nativescript/demo  
tns run android # or ios
```

In short to use our plugin in your project here are the steps:

Import the plugin

- [Typescript](#)

```
import { CMBReader, CMBReaderConstants } from 'cmbsdk-nativescript';
```

Set necessary callbacks and configure reader device

Open **home-view-model.ts** from demo app to check this code. All code in our demo app is with short description.

Start scanning process

```
this.cmbReader.startScanning()
```

License Key(s)

IMPORTANT

Usage of the cmbSDK nativescript plugin with an MX device is free, but if you want to utilize the CAMERA DEVICE (scan with the smartphone camera), you need to obtain a license from [CMBDN](#).

The Reader still works without a license, but results are randomly masked with * chars.

It's free to register and you can obtain a 30 day trial license key.

Once the key is obtained there are two ways to use in your application.

- First way is to include your key from code using **registerSDK** API method. You need to call this method **before** loadScanner.

```
this.cmbReader.registerSDK("SKD_KEY");
```

- Second way is to include your key in AndroidManifest.xml file for Android

```
1 <?xml version='1.0' encoding='utf-8'?>
2 <manifest android:hardwareAccelerated="true" android:versionCode="10000" android:versionName="1.0.0" package="io.cordova.hellocordova">
3   <supports-screens android:anyDensity="true" android:largeScreens="true" android:normalScreens="true" android:resizeable="true"
4   <uses-permission android:name="android.permission.INTERNET" />
5   <application android:hardwareAccelerated="true" android:icon="@mipmap/icon" android:label="HelloCordova" android:supportsRtl="
6     <activity android:configChanges="orientation|keyboardHidden|keyboard|screenSize|locale" android:label="@string/launcher_name"
7       <intent-filter android:label="@string/app_name">
8         <action android:name="android.intent.action.MAIN" />
9         <category android:name="android.intent.category.LAUNCHER" />
10      </intent-filter>
11     </activity>
12     <activity android:label="HelloCordova" android:name="com.cognex.cmb.sampleapp.ScannerActivity" android:theme="@style/AppTheme"
13     <meta-data android:name="MX_MOBILE_LICENSE" android:value="s756DCbRKHioo/Om8ru4L80W64IS9YGI4LKW8Pbug/M=" />
14   </application>
15   <uses-sdk android:minSdkVersion="16" android:targetSdkVersion="26" />
16   <uses-permission android:name="android.permission.ACCESS_WIFI_STATE" />
17   <uses-permission android:name="android.permission.CAMERA" />
18   <uses-feature android:name="android.hardware.camera" />
19   <uses-feature android:name="android.hardware.usb.host" />
20 </manifest>
21
```

and Info.plist file for iOS

🔍 < > HelloCordova Resources HelloCordova-Info.plist No Selection ⚠️

| Key | Type | Value |
|--|------------|---|
| Information Property List | Dictionary | (22 items) |
| Localization native development re... | String | English |
| Bundle display name | String | HelloCordova |
| Executable file | String | \$(EXECUTABLE_NAME) |
| Icon files (iOS 5) | Dictionary | (0 items) |
| CFBundleIcons-ipad | Dictionary | (0 items) |
| Bundle identifier | String | io.cordova.hellocordova |
| InfoDictionary version | String | 6.0 |
| Bundle name | String | \$(PRODUCT_NAME) |
| Bundle OS Type code | String | APPL |
| Bundle versions string, short | String | 1.0.0 |
| Bundle creator OS Type code | String | ???? |
| Bundle version | String | 1.0.0 |
| Application requires iPhone enviro... | Boolean | YES |
| Main nib file base name | String | |
| Main nib file base name (iPad) | String | |
| Supported interface orientations | Array | (3 items) |
| Supported interface orientations (i... | Array | (4 items) |
| UIRequiresFullScreen | Boolean | YES |
| App Transport Security Settings | Dictionary | (1 item) |
| Supported external accessory prot... | Array | (1 item) |
| Privacy - Camera Usage Description | String | Required for Scanning |
| MX_MOBILE_LICENSE | String | FKOwi0SCsPewE0LerbpwCA/47T7TapMHKkoasNulqQ= |

API