

Deeplinks Omniasig APP

APP setup:

Using <https://github.com/ionic-team/ionic-plugin-deeplinks>

Redirects are mostly handled in **app.component.ts - handleDeepLink()** function.

Config.xml

Android Setup

Android setup for deeplinks is added via an **<intent-filter>** configuration.

Base setup should be similar to:

```
<intent-filter android:autoVerify="true">
  <action android:name="android.intent.action.VIEW" />
  <category android:name="android.intent.category.DEFAULT" />
  <category android:name="android.intent.category.BROWSABLE" />
  <data android:host="$DEEPLINK_HOST" android:pathPrefix="$ANDROID_PATH_PREFIX"
android:scheme="$DEEPLINK_SCHEME" />
  <data android:host="$DEEPLINK_2_HOST"
android:pathPrefix="$ANDROID_2_PATH_PREFIX" android:scheme="$DEEPLINK_2_SCHEME" />
  <data android:host="$DEEPLINK_3_HOST"
android:pathPrefix="$ANDROID_3_PATH_PREFIX" android:scheme="$DEEPLINK_3_SCHEME" />
</intent-filter>
```

- You can add as many `<data android:host="$DEEPLINK_X_HOST" android:pathPrefix="$ANDROID_X_PATH_PREFIX" android:scheme="$DEEPLINK_X_SCHEME" />` combinations, as needed, but they should all filled in the package.json config too.

REQUIRED: The next config is required for Android.

```
<preference name="AndroidLaunchMode" value="singleTask" />
```

IOS setup:

Ios setup handles only the server paths where we want to take links requests from.

It should be similar to:

```
<config-file parent="com.apple.developer.associated-domains" target="*-Debug.plist">
  <array>
    <string>applinks:omn-core-dev.azure.softescu.com</string>
  </array>
</config-file>

<config-file parent="com.apple.developer.associated-domains" target="*-Release.plist">
  <array>
    <string>applinks:omn-core-dev.azure.softescu.com</string>
  </array>
</config-file>
```

- You can add as many `<string>applinks:omn-core-dev.azure.softescu.com</string>` as needed.

Package.json

Only for Android:

Once the plugin is installed, as specified in the main plugin docs, there should be a new config under **cordova > plugins**, called **ionic-plugin-deeplinks**

Config should be similar to:

```
"ionic-plugin-deeplinks": {
  "URL_SCHEME": "omniasig-app",
  "DEEPLINK_SCHEME": "https",
```

```
"DEEPLINK_HOST": "omn-core-dev.azure.softescu.com",
"ANDROID_PATH_PREFIX": "/api/UserProfile/ConfirmEmailForRegisterUserProfile",
"DEEPLINK_2_SCHEME": "https",
"DEEPLINK_2_HOST": "omn-core-dev.azure.softescu.com",
"ANDROID_4_PATH_PREFIX": "/api/UserProfile/ConfirmationNewEmailChange",
"ANDROID_3_PATH_PREFIX": "/",
"DEEPLINK_3_SCHEME": " ",
"DEEPLINK_3_HOST": " "
},
```

Values in here are used by the Android setup in **config.xml**.

Android Setup:

Apart from the configurations set in **config.xml** and **package.json**, the app will require a configuration to be available on the server side.

References:

- <https://devdactic.com/universal-links-ionic/>
- <https://github.com/ionic-team/ionic-plugin-deeplinks#set-up-android-app-links>
- <https://developers.google.com/digital-asset-links/tools/generator>

File setup:

You will need to generate a new app release key:

- `keytool -genkey -v -keystore omn-android-release-key.keystore -alias alias_name -keyalg RSA -keysize 2048 -validity 10000`

You will need to build an **assetlinks.json** file, either manually, or by using the builder.

File format should be similar to :

```
[{
  "relation": ["delegate_permission/common.handle_all_urls"],
  "target": { "namespace": "android_app", "package_name": "com.omniasig.app",
```

```
"sha256_cert_fingerprints":
[
  "72:A0:6D:1C:AC:97:98:88:F2:D1:30:24:C3:5C:16:C8:02:BB:2E:2F:C1:47:16:D2:FE:3D:5A:3C:CB:45:71:63"
]
```

REQUIRED: File should be publicly accessible on the server at
.well-known/assetlinks.json

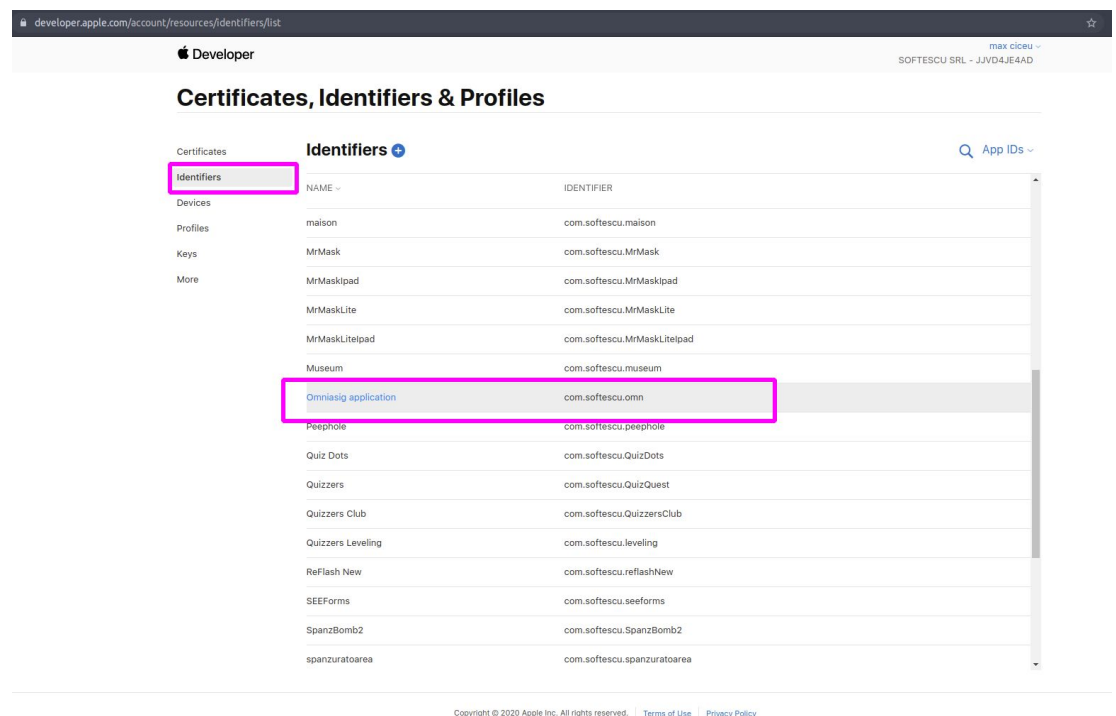
IOS Setup:

References:

- <https://developer.apple.com/library/archive/documentation/General/Conceptual/AppSearch/UniversalLinks.html>
- <https://github.com/ionic-team/ionic-plugin-deeplinks#ios-configuration>

Apple Developer setup:

1. Setup App Identifier :



developer.apple.com/account/resources/identifiers/list

Developer

max ciceu
SOFTESCU SRL - JJVD4JE4AD

Certificates, Identifiers & Profiles

Identifiers

NAME	IDENTIFIER
maison	com.softescu.maison
MrMask	com.softescu.MrMask
MrMaskIpad	com.softescu.MrMaskIpad
MrMaskLite	com.softescu.MrMaskLite
MrMaskLitelpad	com.softescu.MrMaskLitelpad
Museum	com.softescu.museum
Omniisig application	com.softescu.omni
Peephole	com.softescu.peephole
Quiz Dots	com.softescu.QuizDots
Quizzers	com.softescu.QuizQuest
Quizzers Club	com.softescu.QuizzersClub
Quizzers Leveling	com.softescu.leveling
ReFlash New	com.softescu.reflashNew
SEEFoms	com.softescu.seefoms
SpanzBomb2	com.softescu.SpanzBomb2
spanzuratoarea	com.softescu.spanzuratoarea

a.

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b. Enable **Associated domains**

developer.apple.com/account/resources/identifiers/bundleid/edit/3667UF4M52

< All Identifiers

Edit your App ID Configuration

Remove Save

Platform
iOS, macOS, tvOS, watchOS

App ID Prefix
JJVD4JE4AD (Team ID)

Description
Omniaisig application

Bundle ID
com.softescu.omn (explicit)

You cannot use special characters such as @, &, *, , , * , - , .

Capabilities

ENABLED	NAME	
<input type="checkbox"/>	Access WiFi Information ⓘ	
<input type="checkbox"/>	App Attest ⓘ	
<input type="checkbox"/>	App Groups ⓘ	Configure
<input type="checkbox"/>	Apple Pay Payment Processing ⓘ	Configure
<input checked="" type="checkbox"/>	Associated Domains ⓘ	
<input type="checkbox"/>	AutoFill Credential Provider ⓘ	
<input checked="" type="checkbox"/>	ClassKit ⓘ	
<input type="checkbox"/>	Custom Network Protocol ⓘ	
<input type="checkbox"/>	Data Protection ⓘ	

2. Create a new App Provisioning Profile:

developer.apple.com/account/resources/profiles/list

Apple Developer max ciceu - SOFTESCU SRL - JJVD4JE4AD

Certificates, Identifiers & Profiles

Certificates

Identifiers

Profiles +

Search All Types All Platforms Edit

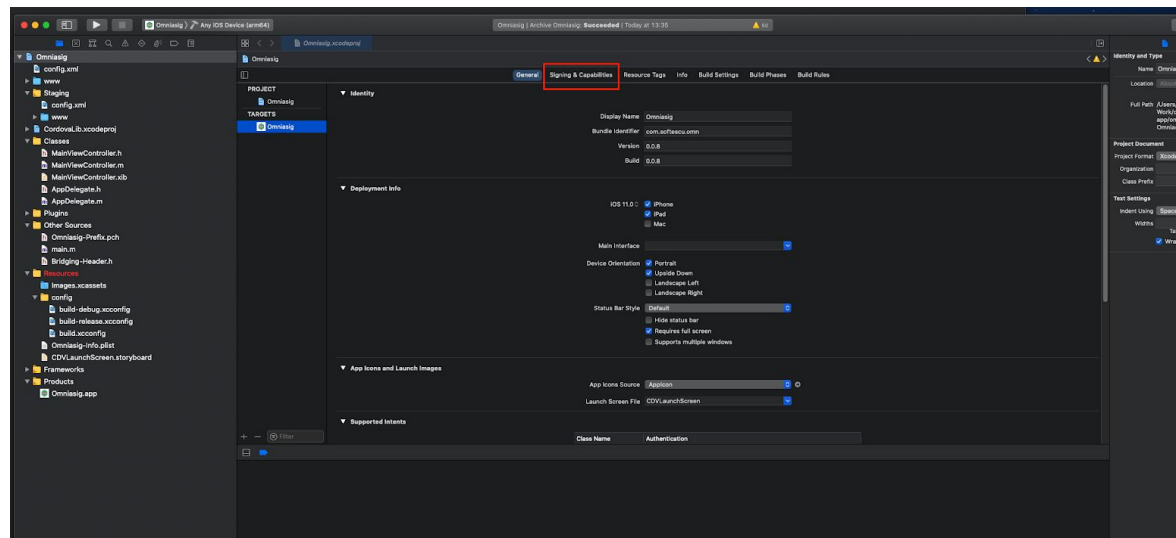
NAME	PLATFORM	TYPE	EXPIRATION	
AR Test Dev	iOS	Development	Expired	
DiverseyForms Dev	iOS	Development	Expired	
Omniaisig app	iOS	Development	2021/10/06	Download
SEEFForms Dev	iOS	Ad hoc	Expired	
SEEFForms Distribution	iOS	App Store	Expired	
SEEFForms Dev	iOS	Development	Expired	
VS: WildCard Development	iOS	Development	Invalid	
XC iOS Ad Hoc: *	iOS	Ad hoc	Expired	

a.

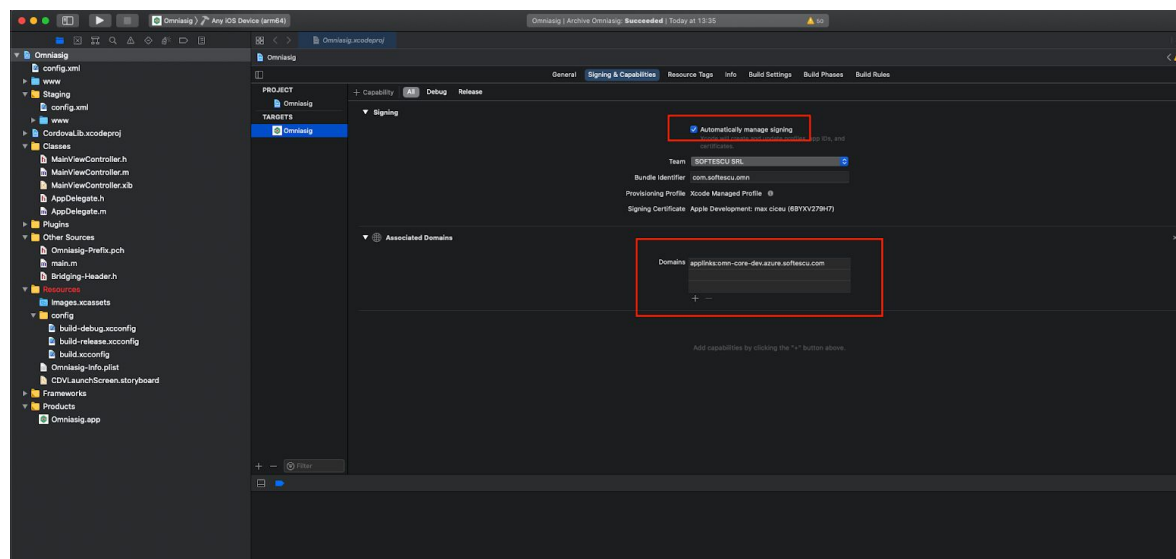
b. Setup the App Identifier and the Devices used for this specific provisioning profile.

Xcode Setup:

1. Setup Signing and capabilities:



a.



b.

2. You should see the endpoints set up in the **Associated Domains** list.

File Setup:

Server file setup should be available at:

- /apple-app-site-association
- .well-known/apple-app-site-association

Sever file should contain all the accessible endpoints that will redirect to our app, and aso use the specific app identifiers that we have.

Format should be similar to:

```
{
  "applinks": {
    "apps": [],
    "details": [
      {
        "appID": "JJVD4JE4AD.com.softescu.omn",
        "paths": [
          "/api/UserProfile/ConfirmEmailForRegisterUserProfile/*",
          "/api/UserProfile/ConfirmationNewEmailChange/*"
        ]
      }
    ]
  }
}
```

where :

Edit your App ID Configuration

[Remove](#)
[Save](#)

Platform

iOS, macOS, tvOS, watchOS

App ID Prefix

JJVD4JE4AD (Team ID)

Description

Omniasig application

Bundle ID

com.softescu.omn (explicit)

You cannot use special characters such as @, &, *, ' ", ~, .

Capabilities

- appID : **[App Id Profile].[Bundle ID]**
- paths: Should be a list of accessible paths that will trigger the app navigation

Details:

- Format should be valid json.
- File should not have any special extension.

IIS - specific

1. .well-known folder is setup manually (on current version dev), and needs to be updated each time we add any new changes to the config files.
2. To be able to serve the Apple file , we need to add a new mime type to match all files with no extension to application/json:
<https://medium.com/@barsh/my-first-date-with-ios-universal-links-90dfabc88bb8>
 - a. This is either done via the Web.config file, or via the UI - **MIME Types**