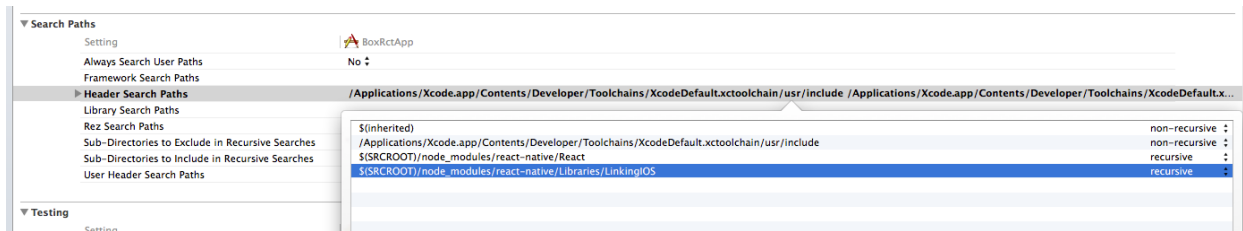
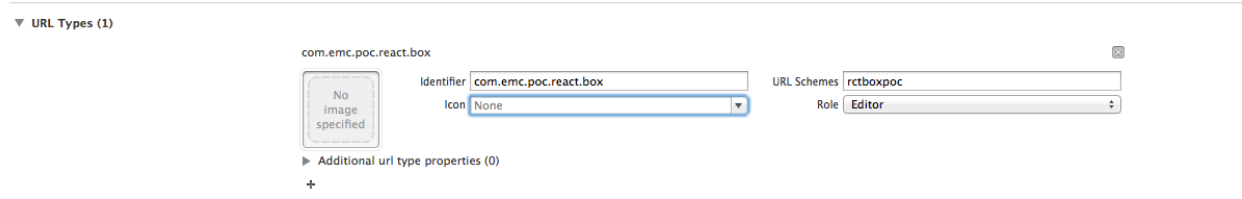


# BOX POC (React Native + OAuth2 + Dropbox)

1. from command line "react-native init BoxRctApp"
2. open the project from Xcode and config URL scheme and build setting



3. Modify AppDelegate.h

```
#import "AppDelegate.h"
#import "RCTRootView.h"
#import "RCTLinkingManager.h"

@implementation AppDelegate

- (BOOL)application:(UIApplication *)application openURL:(NSURL *)url sourceApplication:(NSString *)sourceApplication annotation:(id)annotation { return [RCTLinkingManager application:application openURL:url sourceApplication:sourceApplication annotation:annotation];}

- (BOOL)application:(UIApplication *)application didFinishLaunchingWithOptions:(NSDictionary *)launchOptions
```

4. Create a Box application



## Create a Box Application

React Native Box POC



### Box Content

Access the content management features available in the Box Web App and extend them for use in your own application. [Learn More](#)



### Box View

Convert PDF and Office documents to HTML for easy display in web and mobile applications. [Learn More](#)

Create Application

By clicking 'Create Application', you agree to the terms of service for:

[Box Content](#) | [Box View](#)

## 5. Config the app

box

DEVELOPERS

Yuhui Zhao

Editing React Native Box POC

General Information

Application name:

React Native Box POC

Ex: MyBoxApp

Application description:

Ex: MyBoxApp is an online productivity suite

Support email:

yuhui.zhao@emc.com

Ex: support@myboxapp.com

Website URL (optional):

Ex: http://myboxapp.com

Content API Access Only:

☐

This key can only call the Box Content API

View API Access Only:

☐

This key can only call the Box View API

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Premium Services & Pricing

Contact Support

OAuth2 Parameters

client\_id:

lymu1ljef2bwech7t24gxcv08xih7txs

client\_id as specified in the OAuth2 spec

client\_secret:

5MnekWbldb3aaAAnjEGQls3mtgehyJlz

client\_secret as specified in the OAuth2 spec (leave blank to reset)

redirect\_uri:

rctboxpoc://poc

redirect\_uri as specified in the OAuth2 spec

Scopes:

☒ Read and write all files and folders  
☐ Manage an enterprise

Enter the set of scopes you request users to authorize for your app

Developer token:

You do not currently have a developer token.

Create a developer token

Developer tokens allow you to use the Box API to access your personal Box account.

6. add config.js file under the project root and put client\_id and client\_secret info there.

```

1  module.exports = {
2    client_id: 'lymu1ljef2bwech7t24gxcv08xih7txs',
3    client_secret: '5MnekWbldb3aaAAnjEGQls3mtgehyJlz'
4  };
5

```

7. Box does not support the “token” for the response\_type. It suggests to set response\_type=code. In the componentDidMount(), we call boxOAuth2() to get authorization information.

```

componentDidMount: function () {
  boxOAuth2(config.client_id, (err, code) => {
    if (err) {

```

```

function boxOAuth2 (clientId, callback) {
  var state = Math.random() + '';
  LinkingIOS.addEventListener('url', handleUrl);

  function handleUrl (event) {
    console.log(event.url);
    var [, query_string] = event.url.match(/\?(.*)/);
    var query = shittyQs(query_string);
    if (state === query.state) {
      callback(null, query.code);
    } else {
      callback(new Error('OAuth2 security error'));
    }
    LinkingIOS.removeEventListener('url', handleUrl);
  }

  LinkingIOS.openURL([
    'https://app.box.com/api/oauth2/authorize',
    '?response_type=code',
    '&client_id=',
    clientId,
    '&redirect_uri=rctboxpoc://poc',
    '&state=',
    state
  ].join(''));
}


```

8. Since Box requires another POST in order to get the access\_token, we have this POST in the callback function of boxOAuth2(). In the callback of this POST, we call fetchContents() for the obtained access\_token. This is the only difference from Dropbox app.

```

componentDidMount: function () {
  boxOAuth2(config.client_id, (err, code) => {
    if (err) {
      console.log(err);
    }
    fetch(
      'https://app.box.com/api/oauth2/token',
      {
        method: 'POST',
        body: 'grant_type=authorization_code&code=' + code + '&client_id=' + config.client_id + '&client_secret=' + config.client_secret + '&redirect_uri=rctboxpoc://poc'
      }
    )
    .then((response) => response.json())
    .then((responseData) => {
      this.fetchContents(responseData.access_token);
    })
    .done();
  });
},

```

9. The rests will exactly like the procedures we did in the Dropbox app. Here is the source code of index.ios.js file.  Generic File

10. Build the app with Option 2 of React Native documentation

(<https://facebook.github.io/react-native/docs/runningondevice.html#content>).