



# Native App Generation

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# Topics

- Signing Native Mobile Apps
  - iOS apps
  - Android
- Native Platforms
  - Generate the app
    - iOS configuration or Android configuration
    - Download generated app
    - Install and test
  - Test the app
    - Download OutSystems Now
    - Test app with OutSystems Now

# Signing iOS Apps

- Must enroll in a Developer Program (sign up fee)
  - Apple Developer Program
  - Apple Enterprise Developer Program
- Access resources needed to build apps
  - Certificate
  - Provisioning profile (individual or team)
    - Different profiles for development & production (Ad hoc, In house, App store)
    - Affects build output and distribution
- Different build and distribution types
  - Builds: Debug, Release
  - Distribution: Unofficial, Test flight, App Store

# Signing Android Apps

- Resources needed to build app
  - Keystore
    - Holds certificate information
- An organization should sign apps with same certificate
  - Changing certificate implies the build is a different app
    - Expired certificate means new app
- Builds and distribution types
  - Builds: Debug, Release
  - Distribution is open




A full-page background image featuring an astronaut in a white spacesuit floating in the black void of space, surrounded by numerous small white stars. The astronaut is holding a silver laptop in front of their chest. The text 'Generate Native Apps' is overlaid in white, bold, sans-serif font across the center of the image.

# Generate Native Apps

# Application Details

Specific tab for Native Platforms

Applications in Development > ToDo



**ToDo**  
A simple application to track things to do.


[Edit](#) [Delete](#) [Download](#)

[TEST IN BROWSER](#)

DEVELOP

**NATIVE PLATFORMS**


**MODULES**  
Modules allow you to structure your application into several pieces, each piece implementing a specific purpose.

 **ToDo**


Changed yesterday 10:43 PM by Jorge Costa

[+ New Module](#)


**DEPENDENCIES**  
Other applications that are referenced from this application.




Camera Plugin




Charts Mobile




Common Plugin



DialogsPlugin



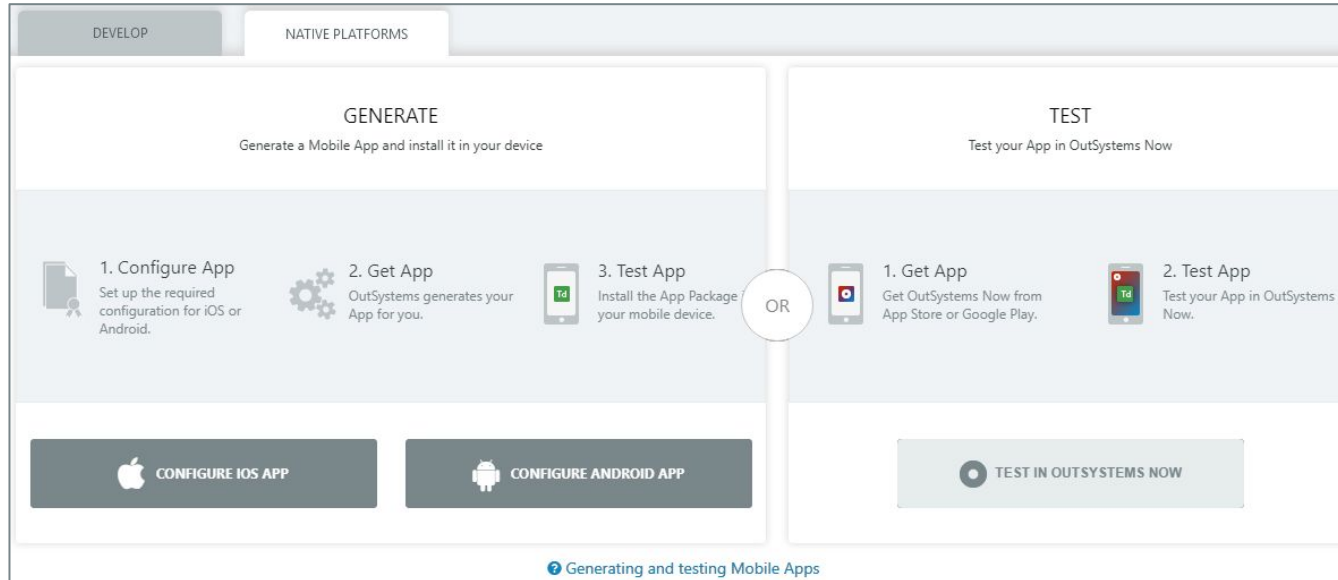
OutSystems UI Mobile



ToDo Core

# Native Platforms tab


- Configure iOS App
- Configure Android App
- Test in OutSystems Now



# Configure iOS App - Development

DEVELOP

NATIVE PLATFORMS



## Configure iOS App

You will need an Apple developer account

**Build type**  
The type of build you want to generate.

Development

**App identifier**  
Unique ID used to identify the App in store and devices.

net.outsystems.os11training.ToDo

**Certificate**  
Certificate used in Apple's iOS Developer Program.

Upload file

SELECT

Passw...

**Provisioning profile**  
A provisioning profile which matches the certificate.


Upload file


SELECT

GENERATE APP

BACK

OR

**1. Get App**  
Get OutSystems Now from App Store or Google Play.

**2. Test App**  
Test your App in OutSystems Now.

TEST IN OUTSYSTEMS NOW


[? Generating and testing Mobile Apps](#)



# Configure Android App - Development

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NATIVE PLATFORMS



## Configure Android App

You will need to digitally sign your App

**Build type**  
The type of build you want to generate.

Debug

**App identifier**  
Unique ID used to identify the App in store and devices.

net.outsystems.os11training.ToDo

➤ Configure Keystore


GENERATE APP


BACK

OR

## TEST

Test your App in OutSystems Now

**1. Get App**  
Get OutSystems Now from App Store or Google Play.

**2. Test App**  
Test your App in OutSystems Now.


TEST IN OUTSYSTEMS NOW

[? Generating and testing Mobile Apps](#)

# Configure Android App - Release

DEVELOP

NATIVE PLATFORMS



## Configure Android App

You will need to digitally sign your App

Build type

The type of build you want to generate.

Release

App identifier

Unique ID used to identify the App in store and devices.

net.outsystems.os11training.ToDo

Keystore

A binary file that contains a set of keys.

Upload file

SELECT

Passw

Alias

The alias of the private/public key pair to use.

Alias Password

The password for the selected alias.

GENERATE APP

BACK

OR

TEST

Test your App in OutSystems Now

1. Get App

Get OutSystems Now from App Store or Google Play.

2. Test App

Test your App in OutSystems Now.

TEST IN OUTSYSTEMS NOW

[? Generating and testing Mobile Apps](#)


# Download Generated App



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NATIVE PLATFORMS

## GENERATE

Generate a Mobile App and install it on your device

 **GENERATE IOS APP**


 Version 0.1, 30 Nov 2018 15:37  
by Jorge Costa 





Scan with your device to install the iOS or Android Mobile App.  
You can also [click here](#) to copy the installation link

## TEST

Test your App in OutSystems Now

**1. Get App**  
Get OutSystems Now from App Store or Google Play.

**2. Test App**  
Test your App in OutSystems Now.

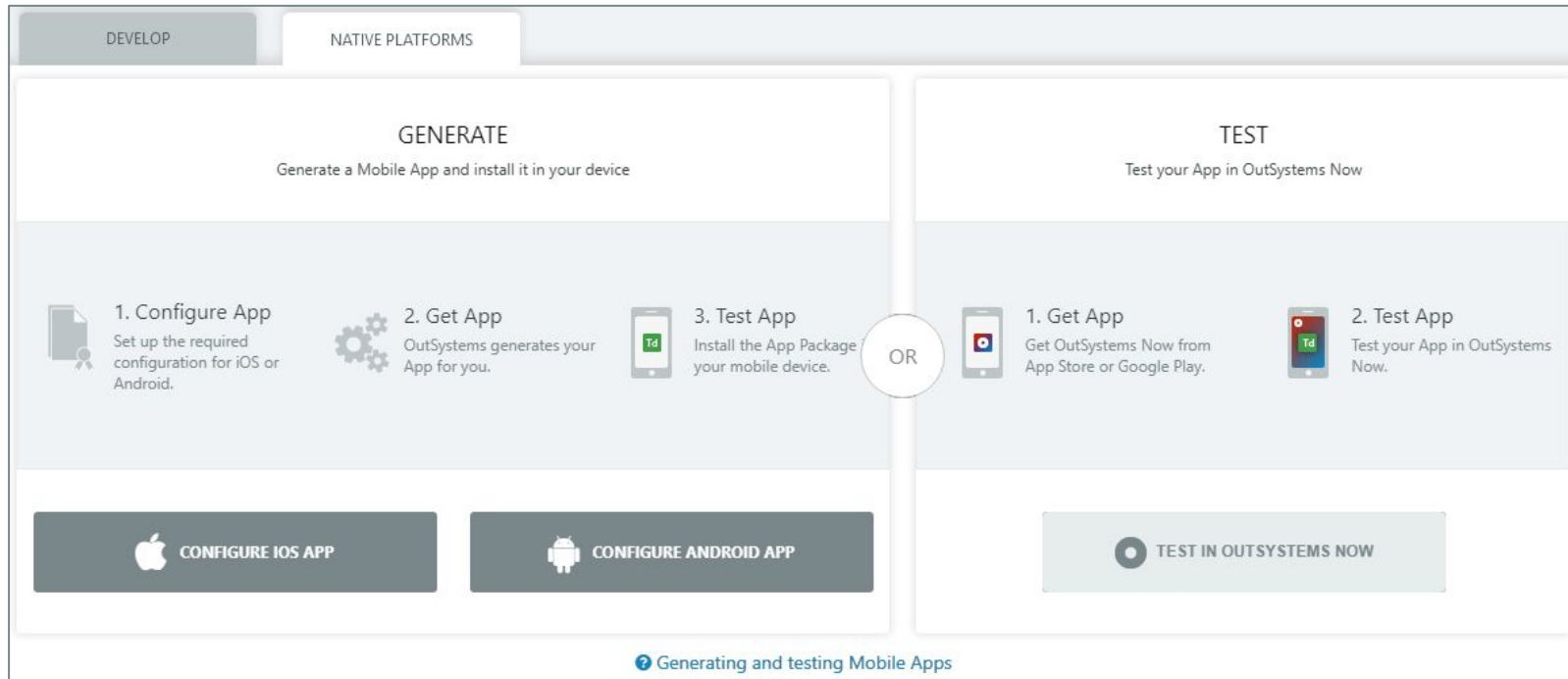
 **TEST IN OUTSYSTEMS NOW**

[? Generating and testing Mobile Apps](#)

A full-page background image featuring an astronaut in a white spacesuit floating in the black void of space, surrounded by numerous small white stars. The astronaut is holding a silver laptop in front of their chest. The text 'Test with OutSystems Now' is overlaid in the center in a large, white, sans-serif font.

**Test with OutSystems Now**

# Test with OutSystems Now




# Scan QR Code with OutSystems Now

DEVELOP

NATIVE PLATFORMS


## GENERATE

Generate a Mobile App and install it on your device




### 1. Configure App

Set up the required configuration for iOS or Android.




### 2. Get App


OutSystems generates your App for you.



### 3. Test App



Install the App Package on your mobile device.

 CONFIGURE IOS APP

 CONFIGURE ANDROID APP

## TEST

Test your App with OutSystems Now



Scan using OutSystems Now


In OutSystems Now you can also access the **debug logs** or **share** your App with others. OutSystems Now supports only the Platform's mobile plugins. Unsupported plugins will not be available for testing.

[See the list of supported plugins](#)

OR

Generating and testing mobile apps

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 outsystems



# Summary

- Signing Native Mobile Apps
  - iOS apps
  - Android
- Native Platforms
  - Generate the app
    - iOS configuration or Android configuration
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**Native App Generation**  
**Thank You!**