



HelloAndroidWorld

Project  
Android  
app  
Gradle Scripts1: Project  
Structure

Captures

Build Variants

2: Favorites

TODO Android Monitor Terminal Messages

Gradle build finished in 1s 893ms (moments ago)

Properties

Gradle

Android Model

Event Log Gradle Console

n/a n/a Context: &lt;no context&gt;

## Android Virtual Device Manager



## Your Virtual Devices

Android Studio

| Type | Name            | Play Store | Resolution          | API | Target                    | CPU/ABI | Size on Disk | Actions |
|------|-----------------|------------|---------------------|-----|---------------------------|---------|--------------|---------|
|      | Nexus 10 API 23 |            | 2560 × 1600: xhdpi  | 23  | Android 6.0 (Google APIs) | x86     | 1 GB         |         |
|      | Nexus 5 API 23  |            | 1080 × 1920: xxhdpi | 23  | Android 6.0 (Google APIs) | x86     | 1 GB         |         |
|      | Nexus 7 API 23  |            | 1200 × 1920: xhdpi  | 23  | Android 6.0 (Google APIs) | x86     | 1 GB         |         |

+ Create Virtual Device...





## Your Virtual Devices

Android Studio

| Type | Name            | Play Store | Resolution          | API | Target                    | CPU/ABI | Size on Disk | Actions |
|------|-----------------|------------|---------------------|-----|---------------------------|---------|--------------|---------|
|      | Nexus 10 API 23 |            | 2560 × 1600: xhdpi  | 23  | Android 6.0 (Google APIs) | x86     | 1 GB         |         |
|      | Nexus 5 API 23  |            | 1080 × 1920: xxhdpi | 23  | Android 6.0 (Google APIs) | x86     | 1 GB         |         |
|      | Nexus 7 API 23  |            | 1200 × 1920: xhdpi  | 23  | Android 6.0 (Google APIs) | x86     | 1 GB         |         |

Create Virtual Device...

Click "Create Virtual Device..."





## Select Hardware

Android Studio

### Choose a device definition

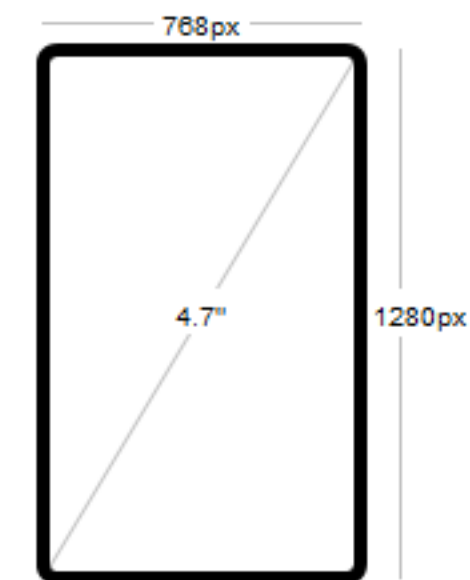
| Category | Name         | Play Store | Size  | Resolution | Density |
|----------|--------------|------------|-------|------------|---------|
| TV       | Pixel XL     |            | 5.5"  | 1440x2560  | 560dpi  |
| Wear     | Pixel        |            | 5.0"  | 1080x1920  | xxhdpi  |
| Phone    | Nexus S      |            | 4.0"  | 480x800    | hdpi    |
| Tablet   | Nexus One    |            | 3.7"  | 480x800    | hdpi    |
|          | Nexus 6P     |            | 5.7"  | 1440x2560  | 560dpi  |
|          | Nexus 6      |            | 5.96" | 1440x2560  | 560dpi  |
|          | Nexus 5X     |            | 5.2"  | 1080x1920  | 420dpi  |
|          | Nexus 5      |            | 4.95" | 1080x1920  | xxhdpi  |
|          | Nexus 4      |            | 4.65" | 480x854    | mdpi    |
|          | Galaxy Nexus |            | 4.65" | 480x854    | mdpi    |
|          | 5.4" FWVGA   |            | 5.4"  | 480x854    | mdpi    |
|          | 5.1" WVGA    |            | 5.1"  | 480x854    | mdpi    |

New Hardware Profile

Import Hardware Profiles

Clone Device...

### Nexus 4



Size: normal  
Ratio: long  
Density: xhdpi

Let's use a new device definition for the Google Nexus 4 smartphone

Notice that there are pre-defined device definitions for Google devices and generic devices.  
In addition, you can define new hardware profiles as well as import hardware profiles.

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## Select Hardware

Android Studio

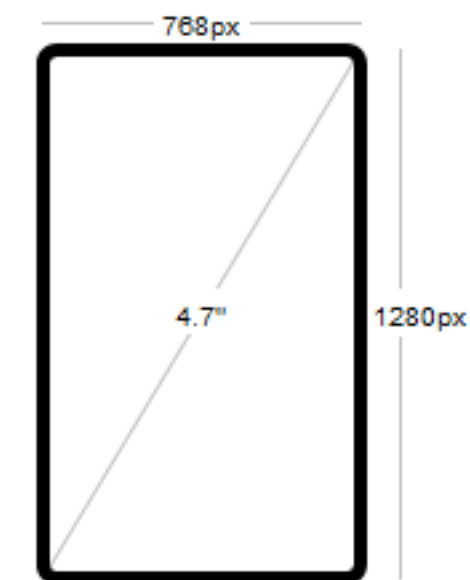
### Choose a device definition

| Category | Name         | Play Store | Size  | Resolution | Density |
|----------|--------------|------------|-------|------------|---------|
| TV       | Pixel XL     |            | 5.5"  | 1440x2560  | 560dpi  |
| Wear     | Pixel        |            | 5.0"  | 1080x1920  | xxhdpi  |
| Phone    | Nexus S      |            | 4.0"  | 480x800    | hdpi    |
|          | Nexus One    |            | 3.7"  | 480x800    | hdpi    |
|          | Nexus 6P     |            | 5.7"  | 1440x2560  | 560dpi  |
|          | Nexus 6      |            | 5.96" | 1440x2560  | 560dpi  |
|          | Nexus 5X     |            | 5.2"  | 1080x1920  | 420dpi  |
|          | Nexus 5      |            | 4.95" | 1080x1920  | xxhdpi  |
|          | Nexus 4      |            | 4.7"  | 768x1280   | xhdpi   |
|          | Galaxy Nexus |            | 4.65" | 720x1280   | xhdpi   |
|          | 5.4" FWVGA   |            | 5.4"  | 480x854    | mdpi    |
|          | 5.1" WVGA    |            | 5.1"  | 480x800    | mdpi    |

New Hardware Profile

Import Hardware Profiles

### Nexus 4



Size: normal  
Ratio: long  
Density: xhdpi

Clone Device...

Click Next

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| Type | Name   |
|------|--------|
|      | Nougat |
|      | Nougat |
|      | Nougat |

## System Image

Android Studio

### Select a system image

Recommended x86 Images Other Images

| Release Name                      | API Level | ABI | Target                    |
|-----------------------------------|-----------|-----|---------------------------|
| <b>Nougat</b>                     | <b>25</b> |     |                           |
| <a href="#">Nougat Download</a>   | 24        | x86 |                           |
| <b>Marshmallow</b>                | 23        | x86 |                           |
| <a href="#">Lollipop Download</a> | 22        | x86 | Android 5.1 (Google APIs) |

Notice the system images that already installed are highlighted.

### Nougat



API Level

**25**

Android

**7.1.1****Google Inc.**

System Image

**x86**

We recommend these images because they run fastest and support Google APIs.

Questions on API level?

See the [API level distribution chart](#)

+ Create

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Cancel

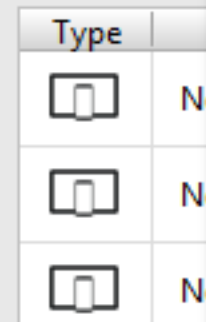
Finish

Help

?



HelloAndroidWorld

Project  
Android  
app  
Gradle ScriptsStructure  
Captures  
Build Variants  
FavoritesBuild Variants  
Favorites

## System Image

Android Studio

### Select a system image

Recommended x86 Images Other Images

| Release Name             | API Level | ABI | Target                      |
|--------------------------|-----------|-----|-----------------------------|
| Nougat                   | 25        | x86 | Android 7.1.1 (Google APIs) |
| <i>Nougat</i> Download   | 24        | x86 | Android 7.0 (Google APIs)   |
| <b>Marshmallow</b>       | <b>23</b> | x86 | Android 6.0 (Google APIs)   |
| <i>Lollipop</i> Download | 22        | x86 | Android 5.1 (Google APIs)   |

### Marshmallow



API Level

**23**

Android

**6.0****Google Inc.**

System Image

**x86**

We recommend these images because they run fastest and support Google APIs.

Questions on API level?

See the [API level distribution chart](#)



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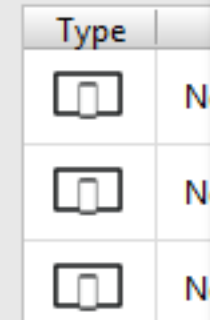
Cancel

Finish

Help







## System Image

Android Studio

### Select a system image

Recommended x86 Images Other Images

| Release Name                             | API Level | ABI | Target                      |
|--|-----------|-----|-----------------------------|
| <b>Nougat</b>                            | 25        | x86 | Android 7.1.1 (Google APIs) |
| <i>Nougat</i> <a href="#">Download</a>   | 24        | x86 | Android 7.0 (Google APIs)   |
| <b>Marshmallow</b>                       | 23        | x86 | Android 6.0 (Google APIs)   |
| <i>Lollipop</i> <a href="#">Download</a> |           |     |                             |

Let's get the system image for Android OS 5 (Lollipop) to run on our virtual Nexus 4 by clicking its Download link!

### Lollipop



API Level

**22**

Android

**5.1****Google Inc.**

System Image

**x86**

We recommend these images because they run fastest and support Google APIs.

Questions on API level?

See the [API level distribution chart](#)

! A system image must be selected to continue.

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| Type | Name      |
|------|-----------|
|      | Nougat    |
|      | Nougat Do |
|      | Nougat Do |

Select a sy

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Nougat

Nougat Do

Marshmallo

Lollipop Do

! A system in

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Virtual Device Configuration

SDK Quickfix Installation



## Component Installer

Android Studio

Select a sy

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Nougat

Nougat Do

Marshmallo

Lollipop Do

! A system in

+ Create

## Installing Requested Components

SDK Path: C:\Users\Public\Android\sdk

To install:

- Google APIs Intel x86 Atom System Image (system-images;android-22;google\_apis;x86)

Preparing "Install Google APIs Intel x86 Atom System Image (revision: 13)".

Downloading https://dl.google.com/android/repository/sys-img/google\_apis/x86-22\_r13.zip

Downloading...

https://dl.google.com/android/repository/sys-img/google\_apis/x86-22\_r13.zip

Please wait until the installation finishes

Note that these system image files are large, and can take a while to download, depending on your Internet speed.

Finish

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Finish

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TODO Android Monitor Terminal Messages

Event Log Gradle Console

Gradle build finished in 1s 893ms (moments ago)

Downloading...

n/a n/a Context: &lt;no context&gt;

| Type | Name   |
|------|--------|
|      | Nougat |
|      | Nougat |
|      | Nougat |

Select a system image

Recommended

Nougat

Nougat Do

Marshmallo

Lollipop Do

! A system in

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Virtual Device Configuration

SDK Quickfix Installation



## Component Installer

Android Studio

## Installing Requested Components

SDK Path: C:\Users\Public\Android\sdk

To install:

```
- Google APIs Intel x86 Atom System Image (system-images;android-22;google_apis;x86)
Preparing "Install Google APIs Intel x86 Atom System Image (revision: 13)".
Downloading https://dl.google.com/android/repository/sys-img/google_apis/x86-22_r13.zip
"Install Google APIs Intel x86 Atom System Image (revision: 13)" ready.
Finishing "Install Google APIs Intel x86 Atom System Image (revision: 13)"
Installing Google APIs Intel x86 Atom System Image in
C:\Users\Public\Android\sdk\system-images\android-22\google_apis\x86
"Install Google APIs Intel x86 Atom System Image (revision: 13)" complete.
"Install Google APIs Intel x86 Atom System Image (revision: 13)" finished.
```

Done

Once the install is  
done, click Finish

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Finish

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Cancel

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Text

| Type | Name |
|------|------|
|      | N... |
|      | N... |
|      | N... |

## System Image

Android Studio

### Select a system image

Recommended x86 Images Other Images

| Release Name    | API Level | ABI | Target                      |
|-----------------|-----------|-----|-----------------------------|
| Nougat          | 25        | x86 | Android 7.1.1 (Google APIs) |
| Nougat Download | 24        | x86 | Android 7.0 (Google APIs)   |
| Marshmallow     | 23        | x86 | Android 6.0 (Google APIs)   |
| Lollipop        | 22        | x86 | Android 5.1 (Google APIs)   |

Notice the Lollipop system image has been installed as its name is now highlighted

### Lollipop



API Level

22

Android

5.1

Google Inc.

System Image

x86

We recommend these images because they run fastest and support Google APIs.

Questions on API level?

See the [API level distribution chart](#)

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| Type | Name |
|------|------|
|      | N... |
|      | N... |
|      | N... |



## System Image

Android Studio

## Select a system image

Recommended x86 Images Other Images

| Release Name                           | API Level | ABI | Target                      |
|--|-----------|-----|-----------------------------|
| <b>Nougat</b>                          | 25        | x86 | Android 7.1.1 (Google APIs) |
| <i>Nougat</i> <a href="#">Download</a> | 24        | x86 | Android 7.0 (Google APIs)   |
| <b>Marshmallow</b>                     | 23        | x86 | Android 6.0 (Google APIs)   |
| <b>Lollipop</b>                        | 22        | x86 | Android 5.1 (Google APIs)   |

## Lollipop



API Level

**22**

Android

**5.1****Google Inc.**

System Image

**x86**

We recommend these images because they run fastest and support Google APIs.

Questions on API level?

See the [API level distribution chart](#)

Click Next

Previous

**Next**

Cancel

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Help

+ Create

Design

Text

| Type | Name    |
|------|---------|
|      | Nexus 4 |
|      | Nexus 4 |
|      | Nexus 4 |

## Android Virtual Device (AVD)

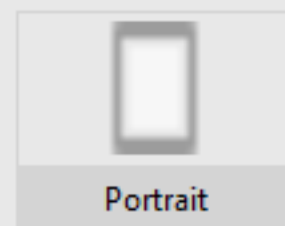
Android Studio

### Verify Configuration

AVD Name 

|  |          |                    |                            |
|--|----------|--------------------|----------------------------|
|  | Nexus 4  | 4.7 768x1280 xhdpi | <button>Change...</button> |
|  | Lollipop | Android 5.1 x86    | <button>Change...</button> |

Startup orientation



Portrait



Landscape

Emulated Performance

Graphics:

Automatic

Device Frame ☒ Enable Device FrameShow Advanced Settings

### AVD Name

The name of this AVD.

Click Finish  
to create the  
emulated  
device.

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HelloAndroidWorld

Android

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Android Virtual Device Manager



## Your Virtual Devices

Android Studio

| Type | Name            | Play Store | Resolution          | API | Target                    | CPU/ABI | Size on Disk | Actions |
|------|-----------------|------------|---------------------|-----|---------------------------|---------|--------------|---------|
|      | Nexus 10 API 23 |            | 2560 × 1600: xhdpi  | 23  | Android 6.0 (Google APIs) | x86     | 1 GB         |         |
|      | Nexus 4 API 22  |            | 768 × 1280: xhdpi   | 22  | Android 5.1 (Google APIs) |         |              |         |
|      | Nexus 5 API 23  |            | 1080 × 1920: xxhdpi | 23  | Android 6.0 (Google APIs) |         |              |         |
|      | Nexus 7 API 23  |            | 1200 × 1920: xhdpi  | 23  | Android 6.0 (Google APIs) | x86     | 1 GB         |         |

Click its play button to open the Nexus 4 with Lollipop in the emulator.

[+ Create Virtual Device...](#)

Design

Text

TODO

Android Monitor

Terminal

Messages

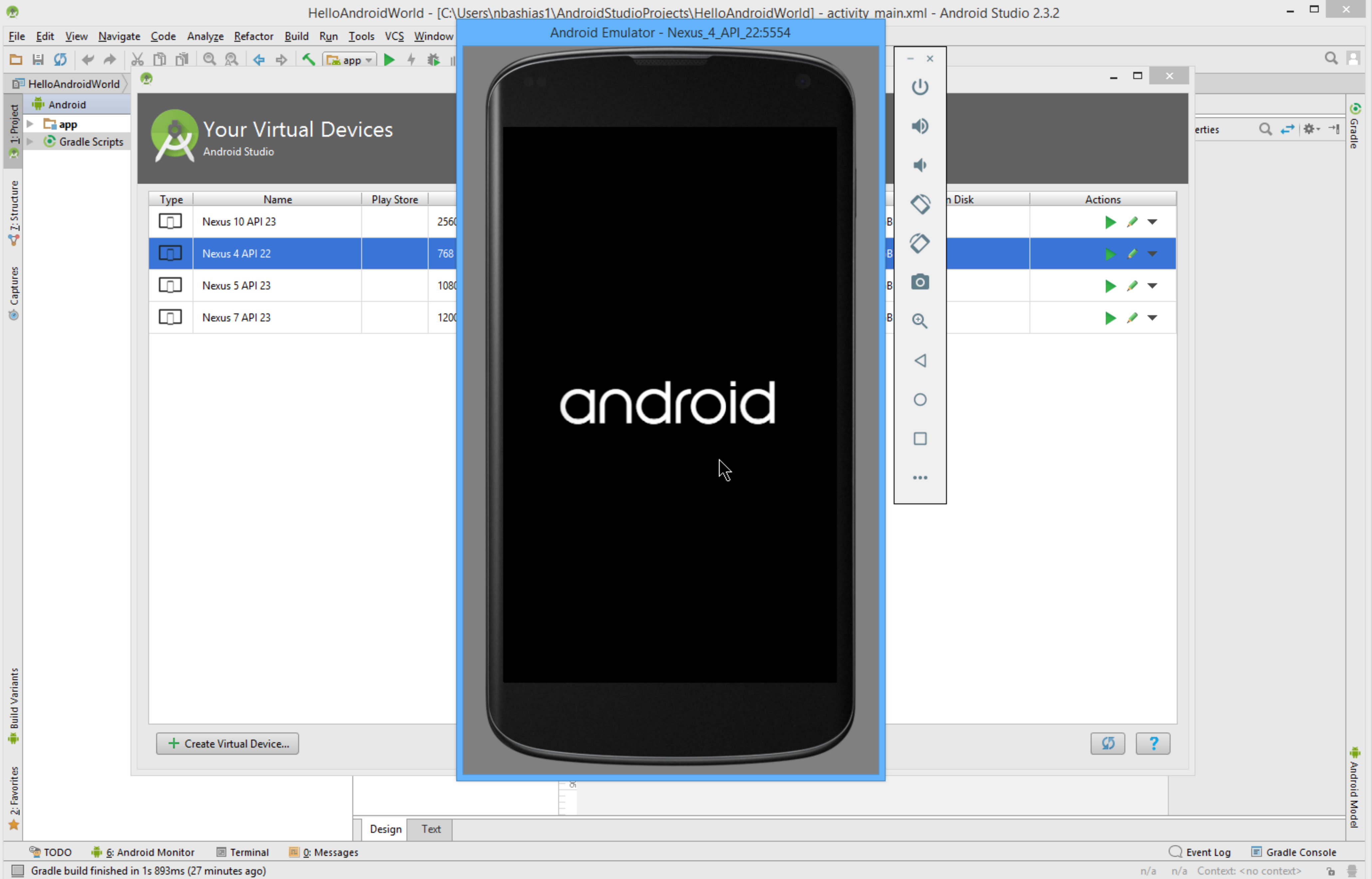
Event Log

Gradle Console

Gradle build finished in 1s 893ms (27 minutes ago)

n/a n/a Context: &lt;no context&gt;

Android Model



Android Emulator - Nexus\_4\_API\_22:5554

## Your Virtual Devices

Android Studio

| Type | Name            | Play Store |      |
|------|-----------------|------------|------|
|      | Nexus 10 API 23 |            | 2560 |
|      | Nexus 4 API 22  |            | 768  |
|      | Nexus 5 API 23  |            | 1080 |
|      | Nexus 7 API 23  |            | 1200 |

+ Create Virtual Device...

android

Design Text

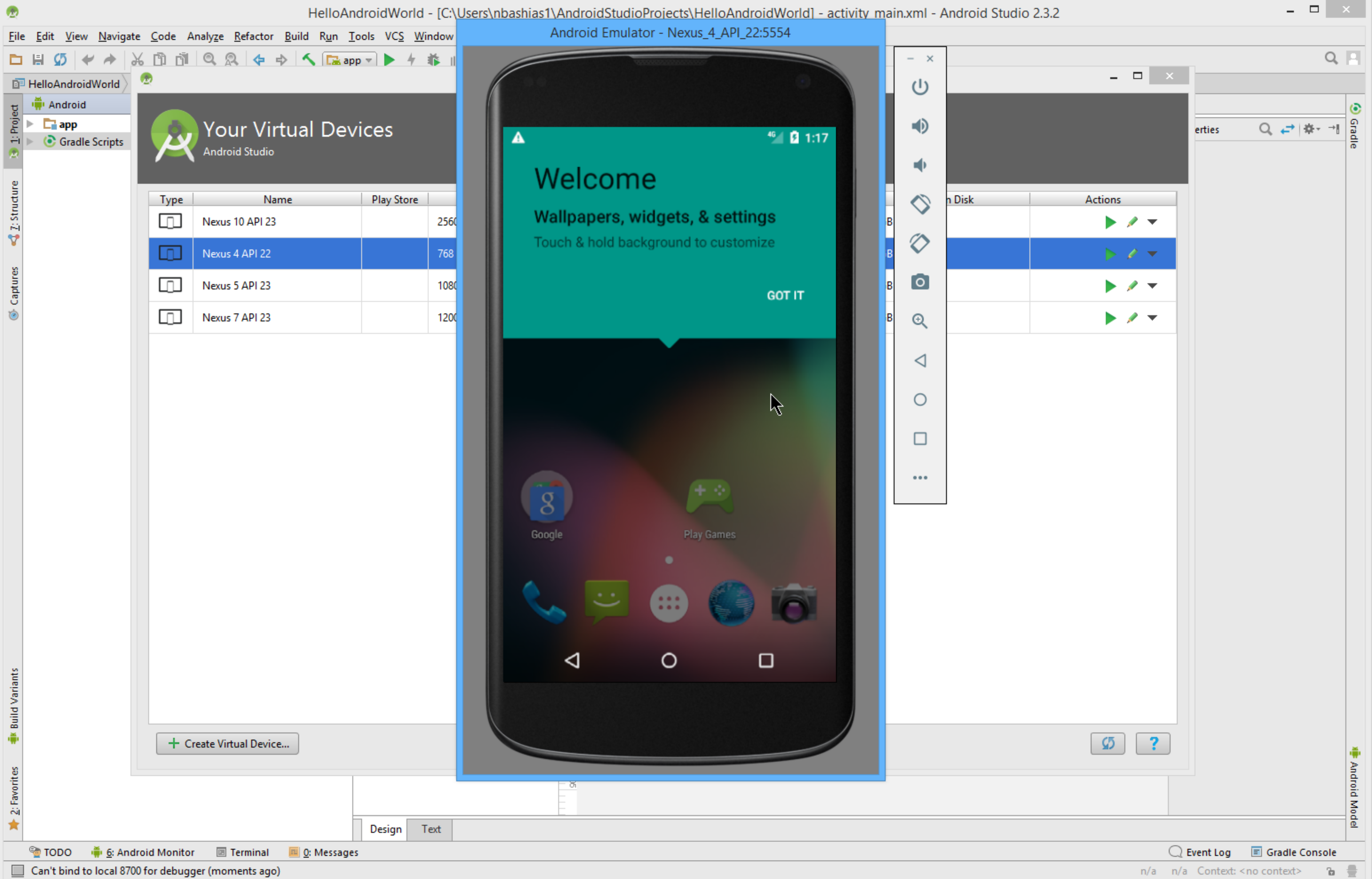
TODO Android Monitor Terminal Messages

Event Log Gradle Console

Gradle build finished in 1s 893ms (27 minutes ago)

n/a n/a Context: <no context>



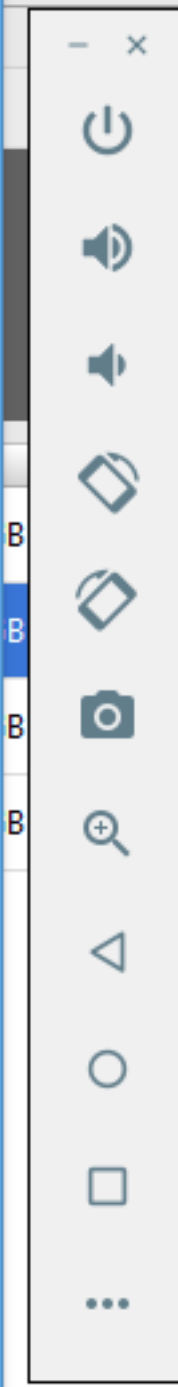
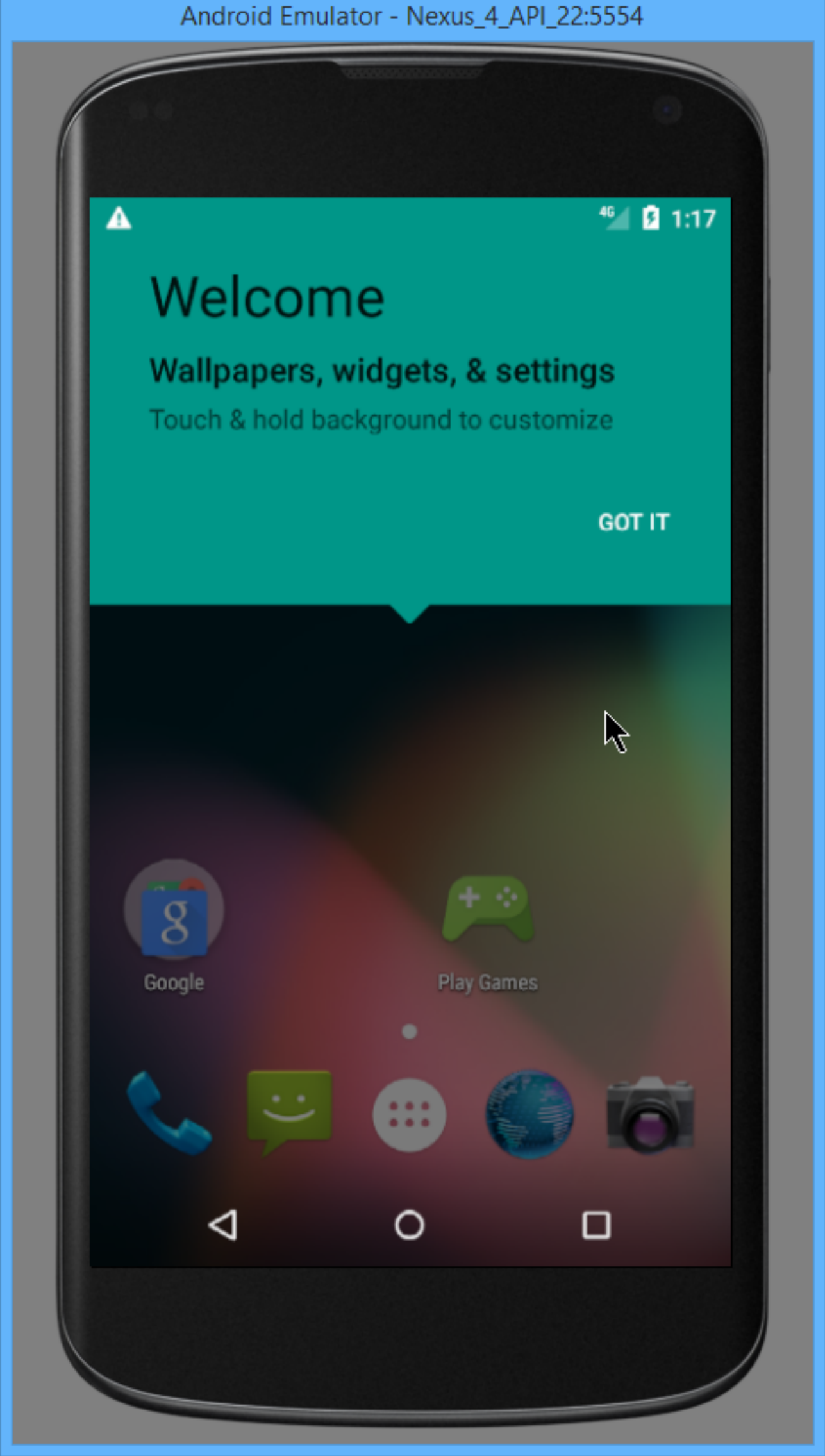


# Your Virtual Devices

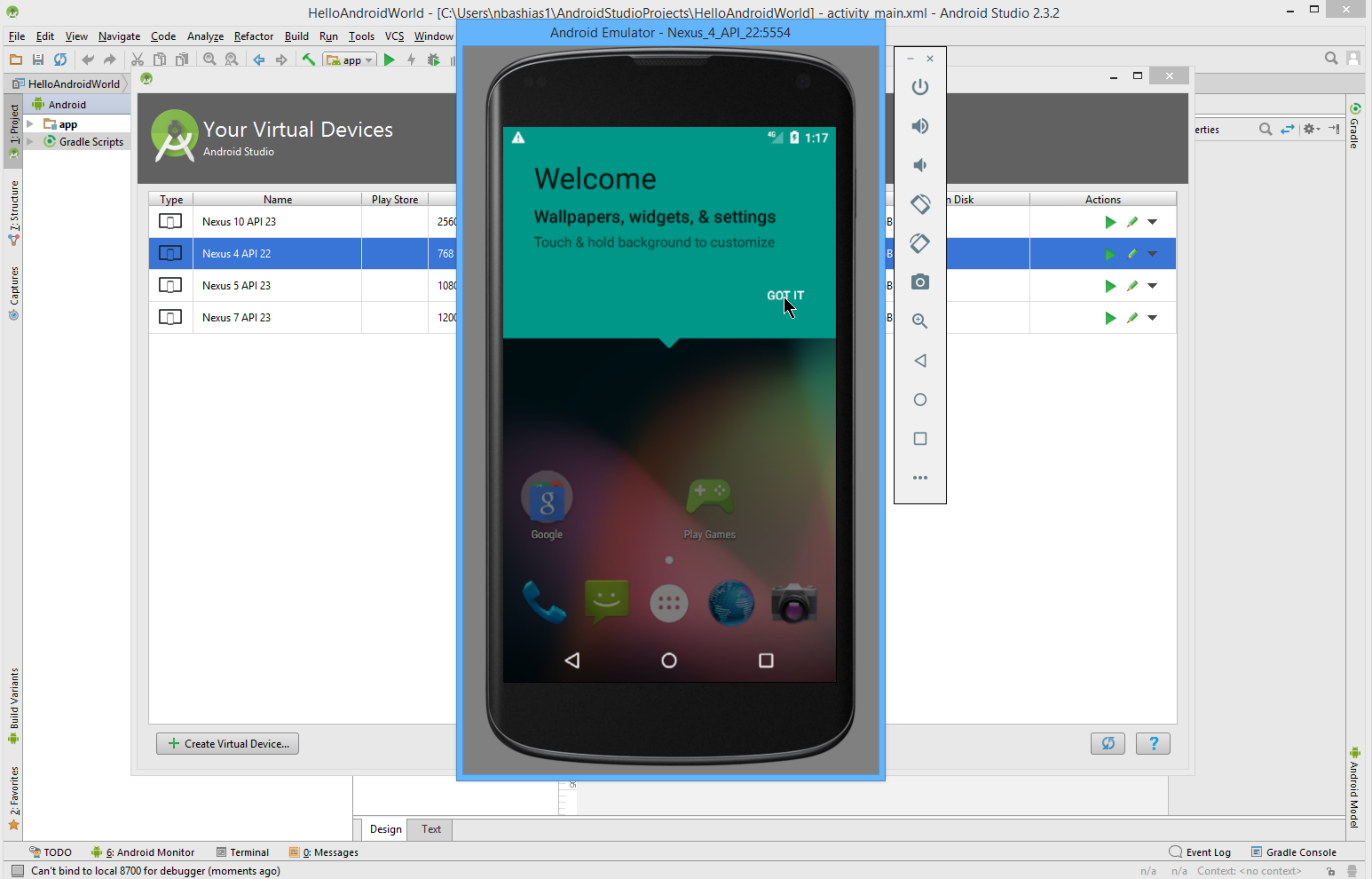
Android Studio

| Type | Name            | Play Store |      |
|------|-----------------|------------|------|
|      | Nexus 10 API 23 |            | 2560 |
|      | Nexus 4 API 22  |            | 768  |
|      | Nexus 5 API 23  |            | 1080 |
|      | Nexus 7 API 23  |            | 1200 |

+ Create Virtual Device...







| Properties | Actions |
|------------|---------|
|            |         |
|            |         |
|            |         |
|            |         |



Android Emulator - Nexus\_4\_API\_22:5554

## Your Virtual Devices

Android Studio

| Type  | Name            | Play Store |      |
|---|-----------------|------------|------|
|  | Nexus 10 API 23 |            | 2560 |
|  | Nexus 4 API 22  |            | 768  |
|  | Nexus 5 API 23  |            | 1080 |
|  | Nexus 7 API 23  |            | 1200 |

+ Create Virtual Device...

# Welcome

## Wallpapers, widgets, & settings

Touch & hold background to customize

GOT IT















Google



Play Games



erties

| on Disk | Actions   |
|---------|---|
|         |    |
|         |    |
|         |    |
|         |    |

Design

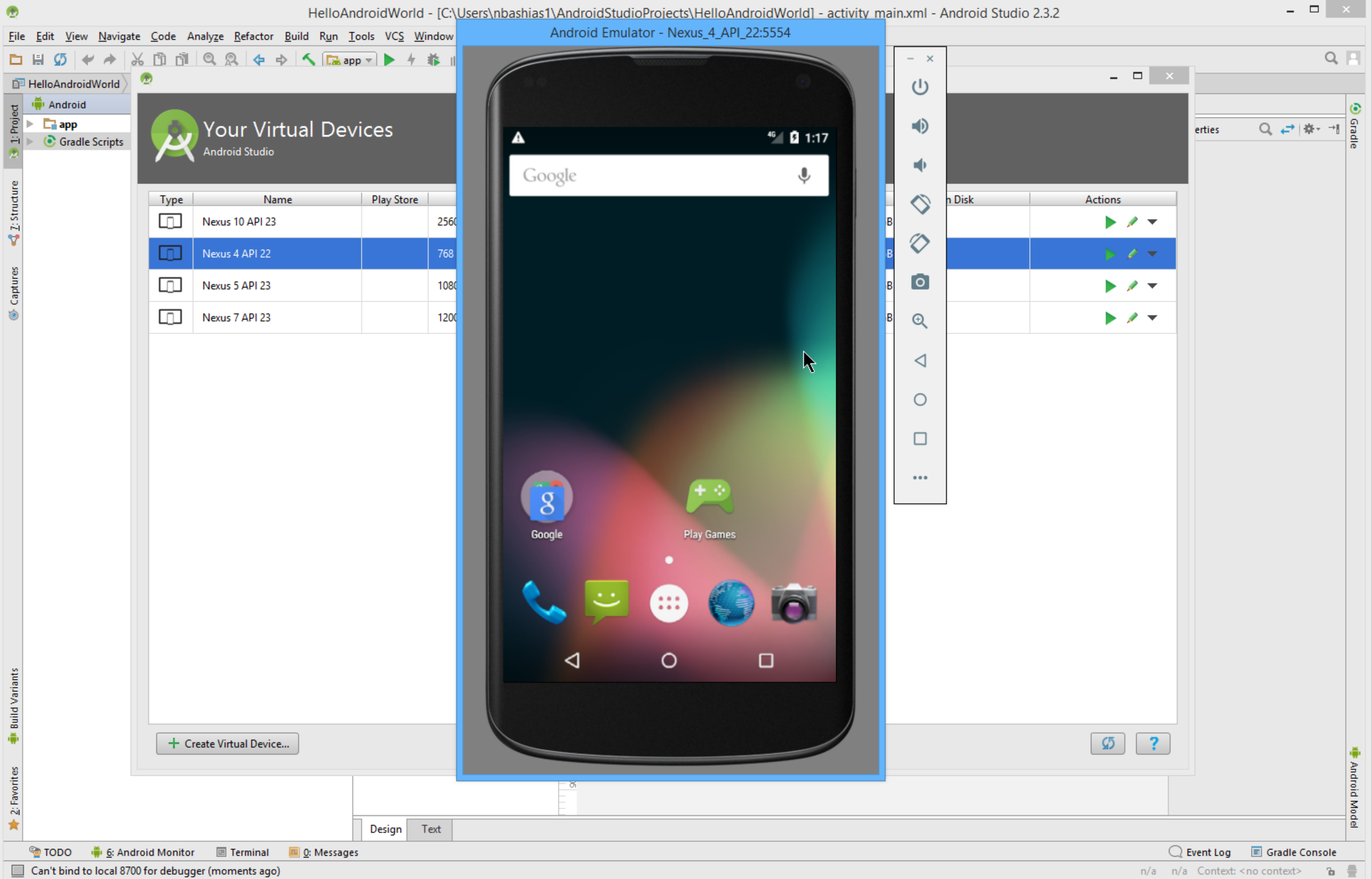
Text

TODO Android Monitor Terminal Messages

Event Log Gradle Console

Can't bind to local 8700 for debugger (moments ago)

n/a n/a Context: <no context>



# Your Virtual Devices

Android Studio

| Type | Name            | Play Store |      |
|------|-----------------|------------|------|
|      | Nexus 10 API 23 |            | 2560 |
|      | Nexus 4 API 22  |            | 768  |
|      | Nexus 5 API 23  |            | 1080 |
|      | Nexus 7 API 23  |            | 1200 |

+ Create Virtual Device...



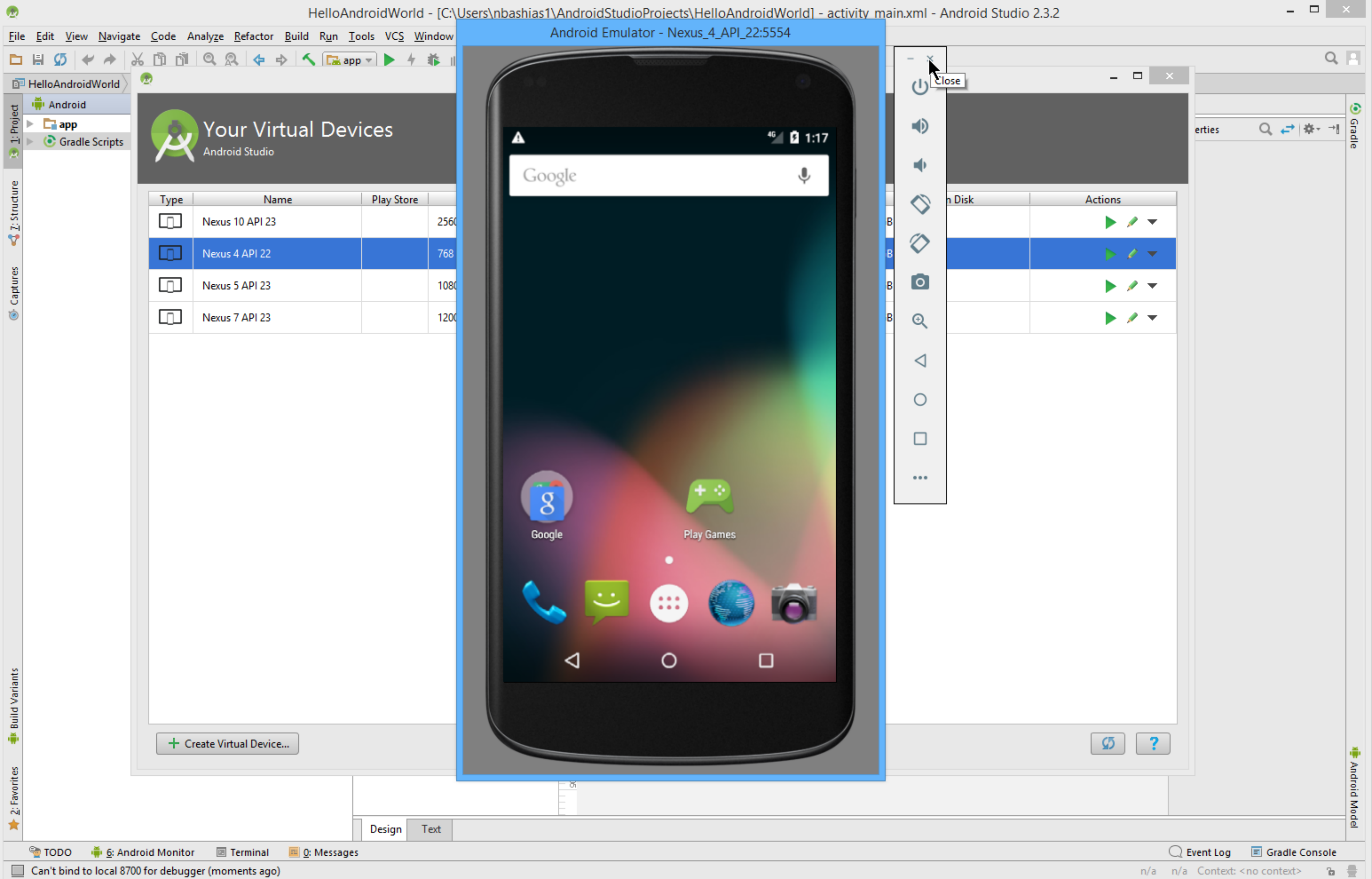
Android Emulator - Nexus\_4\_API\_22:5554

Properties

| Properties | Actions |
|------------|---------|
|            |         |
|            |         |
|            |         |
|            |         |

Android Model









## Your Virtual Devices

Android Studio

| Type | Name            | Play Store | Resolution          | API | Target                    | CPU/ABI | Size on Disk | Actions |
|------|-----------------|------------|---------------------|-----|---------------------------|---------|--------------|---------|
|      | Nexus 10 API 23 |            | 2560 × 1600: xhdpi  | 23  | Android 6.0 (Google APIs) | x86     | 1 GB         |         |
|      | Nexus 4 API 22  |            | 768 × 1280: xhdpi   | 22  | Android 5.1 (Google APIs) | x86     | 1 GB         |         |
|      | Nexus 5 API 23  |            | 1080 × 1920: xxhdpi | 23  | Android 6.0 (Google APIs) | x86     | 1 GB         |         |
|      | Nexus 7 API 23  |            | 1200 × 1920: xhdpi  | 23  | Android 6.0 (Google APIs) | x86     | 1 GB         |         |

Create Virtual Device...

Let's re-open the Virtual Device creator and look at other system images that we can download!

Design

Text

## Select Hardware

Android Studio

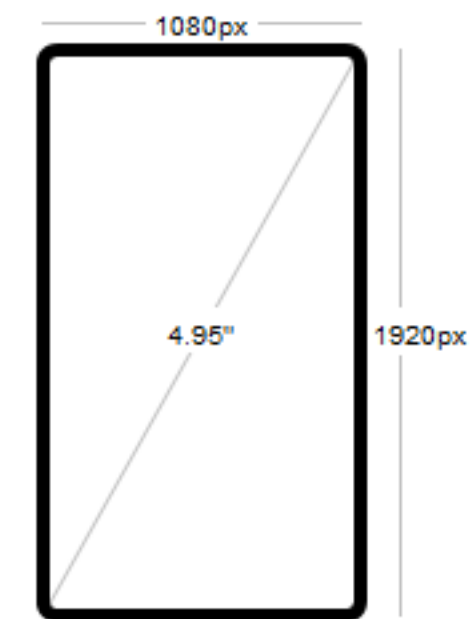
### Choose a device definition

| Category | Name         | Play Store | Size  | Resolution | Density |
|----------|--------------|------------|-------|------------|---------|
| Phone    | Pixel XL     |            | 5.5"  | 1440x2560  | 560dpi  |
|          | Pixel        |            | 5.0"  | 1080x1920  | xxhdpi  |
|          | Nexus S      |            | 4.0"  | 480x800    | hdpi    |
|          | Nexus One    |            | 3.7"  | 480x800    | hdpi    |
|          | Nexus 6P     |            | 5.7"  | 1440x2560  | 560dpi  |
|          | Nexus 6      |            | 5.96" | 1440x2560  | 560dpi  |
|          | Nexus 5X     |            | 5.2"  | 1080x1920  | 420dpi  |
|          | Nexus 5      |            | 4.95" | 1080x1920  | xxhdpi  |
|          | Nexus 4      |            | 4.7"  | 768x1280   | xhdpi   |
|          | Galaxy Nexus |            | 4.65" | 720x1280   | xhdpi   |
|          | 5.4" FWVGA   |            | 5.4"  | 480x854    | mdpi    |
|          | 5.1" WVGA    |            | 5.1"  | 480x800    | mdpi    |

New Hardware Profile

Import Hardware Profiles

### Nexus 5



Size: normal  
Ratio: long  
Density: xxhdpi

Clone Device...

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Text

## Select Hardware

Android Studio

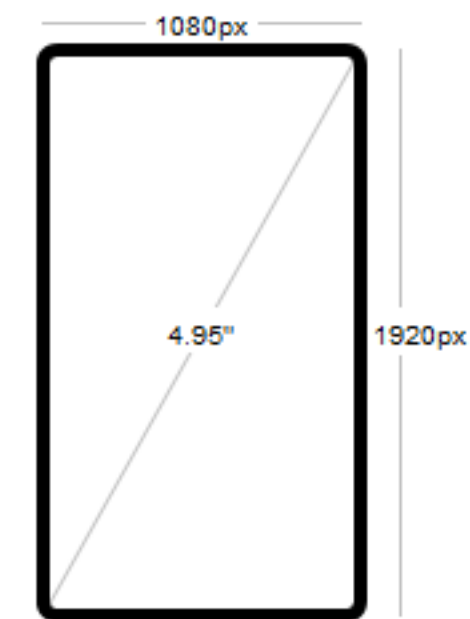
### Choose a device definition

| Category | Name         | Play Store | Size  | Resolution | Density |
|----------|--------------|------------|-------|------------|---------|
| TV       | Pixel XL     |            | 5.5"  | 1440x2560  | 560dpi  |
| Wear     | Pixel        |            | 5.0"  | 1080x1920  | xxhdpi  |
| Phone    | Nexus S      |            | 4.0"  | 480x800    | hdpi    |
|          | Nexus One    |            | 3.7"  | 480x800    | hdpi    |
|          | Nexus 6P     |            | 5.7"  | 1440x2560  | 560dpi  |
|          | Nexus 6      |            | 5.96" | 1440x2560  | 560dpi  |
|          | Nexus 5X     |            | 5.2"  | 1080x1920  | 420dpi  |
|          | Nexus 5      |            | 4.95" | 1080x1920  | xxhdpi  |
|          | Nexus 4      |            | 4.7"  | 768x1280   | xhdpi   |
|          | Galaxy Nexus |            | 4.65" | 720x1280   | xhdpi   |
|          | 5.4" FWVGA   |            | 5.4"  | 480x854    | mdpi    |
|          | 5.1" WVGA    |            | 5.1"  | 480x800    | mdpi    |

New Hardware Profile

Import Hardware Profiles

### Nexus 5



Size: normal  
Ratio: long  
Density: xxhdpi

Clone Device...

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| Type | Name   |
|------|--------|
|      | Nougat |
|      | Nougat |
|      | Nougat |
|      | Nougat |

## System Image

Android Studio

### Select a system image

Recommended x86 Images

| Release Name                    | API Level |
|---------------------------------|-----------|
| Nougat <a href="#">Download</a> | 24        |

Click on the second tab,  
the one to the immediate  
right of the Recommended  
tab labeled 'x86 Images'

### Nougat



API Level  
**24**

Android  
**7.0**

Google Inc.

System Image  
**x86**

We recommend these Google Play images because this device is compatible with Google Play.

Questions on API level?  
See the [API level distribution chart](#)

! A system image must be selected to continue.

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Nougat Download

Nougat Download

Nougat Download

Marshmallow

Marshmallow Download

Marshmallow Download

Marshmallow Download

Marshmallow Download

Lollipop

Lollipop Download

Lollipop Download

Lollipop Download

Lollipop Download

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## System Image

Android Studio

## Select a system image

Recommended

x86 Image

| Release Name         | Target                      |
|----------------------|-----------------------------|
| Nougat               | Android 7.1.1 (Google APIs) |
| Nougat Download      | Android 7.1.1 (Google APIs) |
| Nougat Download      | Android 7.0 (Google APIs)   |
| Nougat Download      | Android 7.0 (Google APIs)   |
| Nougat Download      | Android 7.0                 |
| Nougat Download      | Android 7.0                 |
| Marshmallow          | Android 6.0 (Google APIs)   |
| Marshmallow Download | Android 6.0 (Google APIs)   |
| Marshmallow Download | Android 6.0                 |
| Marshmallow Download | Android 6.0                 |
| Lollipop             | Android 5.1 (Google APIs)   |
| Lollipop Download    | Android 5.1 (Google APIs)   |
| Lollipop Download    | Android 5.1                 |
| Lollipop Download    | Android 5.1                 |
| Lollipop Download    | Android 5.0 (Google APIs)   |

These are system images that run "native" on the x86 platform using the HAXM accelerator.

## Nougat



API Level

25

Android

7.1.1

Google Inc.

System Image

x86

Questions on API level?

See the [API level distribution chart](#)

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TODO Android Monitor Terminal Messages

Event Log Gradle Console

Can't bind to local 8700 for debugger (moments ago)

n/a n/a Context: &lt;no context&gt;



HelloAndroidWorld

Android

app

Gradle Scripts

1: Project

2: Structure

Captures

Build Variants

2: Favorites

Android

Gradle

Properties

Android Model

Event Log

Gradle Console

Can't bind to local 8700 for debugger (moments ago)

n/a

n/a

Context: &lt;no context&gt;

?

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System Image

Android Studio

Select a system image

Recommended

x86 Images

Other Images

Release Name

API Level

ABI

Nougat

25

x86

Android 7.1.1 (Google APIs)

Nougat Download

25

x86\_64

Android 7.1.1 (Google APIs)

Nougat Download

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x86

Android 7.0 (Google APIs)



HelloAndroidWorld

Android

app

Gradle Scripts

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Gradle Scripts

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Gradle Scripts

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Android

app

Gradle Scripts

1: Project

2: Structure

Captures

Build Variants

2: Favorites

Star



## Select a system image

Recommended x86 Images Other Images

| Release Name         | API Level | Architecture | Manufacturer              |
|----------------------|-----------|--------------|---------------------------|
| Nougat Download      | 25        | armeabi-v7a  | Android 7.0 (Google APIs) |
| Nougat Download      | 25        | arm64-v8a    | Android 7.0 (Google APIs) |
| Nougat Download      | 24        | armeabi-v7a  | Android 7.0 (Google APIs) |
| Nougat Download      | 24        | arm64-v8a    | Android 7.0 (Google APIs) |
| Nougat Download      | 24        | armeabi-v7a  | Android 7.0               |
| Nougat Download      | 24        | arm64-v8a    | Android 7.0               |
| Marshmallow Download | 23        | armeabi-v7a  | Android 6.0 (Google APIs) |
| Marshmallow Download | 23        | arm64-v8a    | Android 6.0 (Google APIs) |
| Lollipop Download    | 22        | armeabi-v7a  | Android 5.1 (Google APIs) |
| Lollipop Download    | 22        | arm64-v8a    | Android 5.1 (Google APIs) |
| Lollipop Download    | 21        | armeabi-v7a  | Android 5.0 (Google APIs) |
| Lollipop Download    | 21        | arm64-v8a    | Android 5.0 (Google APIs) |
| KitKat Download      | 19        | armeabi-v7a  | Android 4.4 (Google APIs) |
| KitKat Download      | 19        | arm64-v8a    | Android 4.4 (Google APIs) |
| KitKat Download      | 19        | armeabi-v7a  | Android 4.4               |

These images run on a simulator ARM processor device and, while not needing the HAXM accelerator, run much slower than the x86 images.

## Nougat



API Level

25

Android

7.1.1

Google Inc.

System Image

armeabi-v7a

## Recommendation

Consider using an x86 system image on an x86 host for better emulation performance.

Questions on API level?

See the [API level distribution chart](#)

! A system image must be selected to continue.

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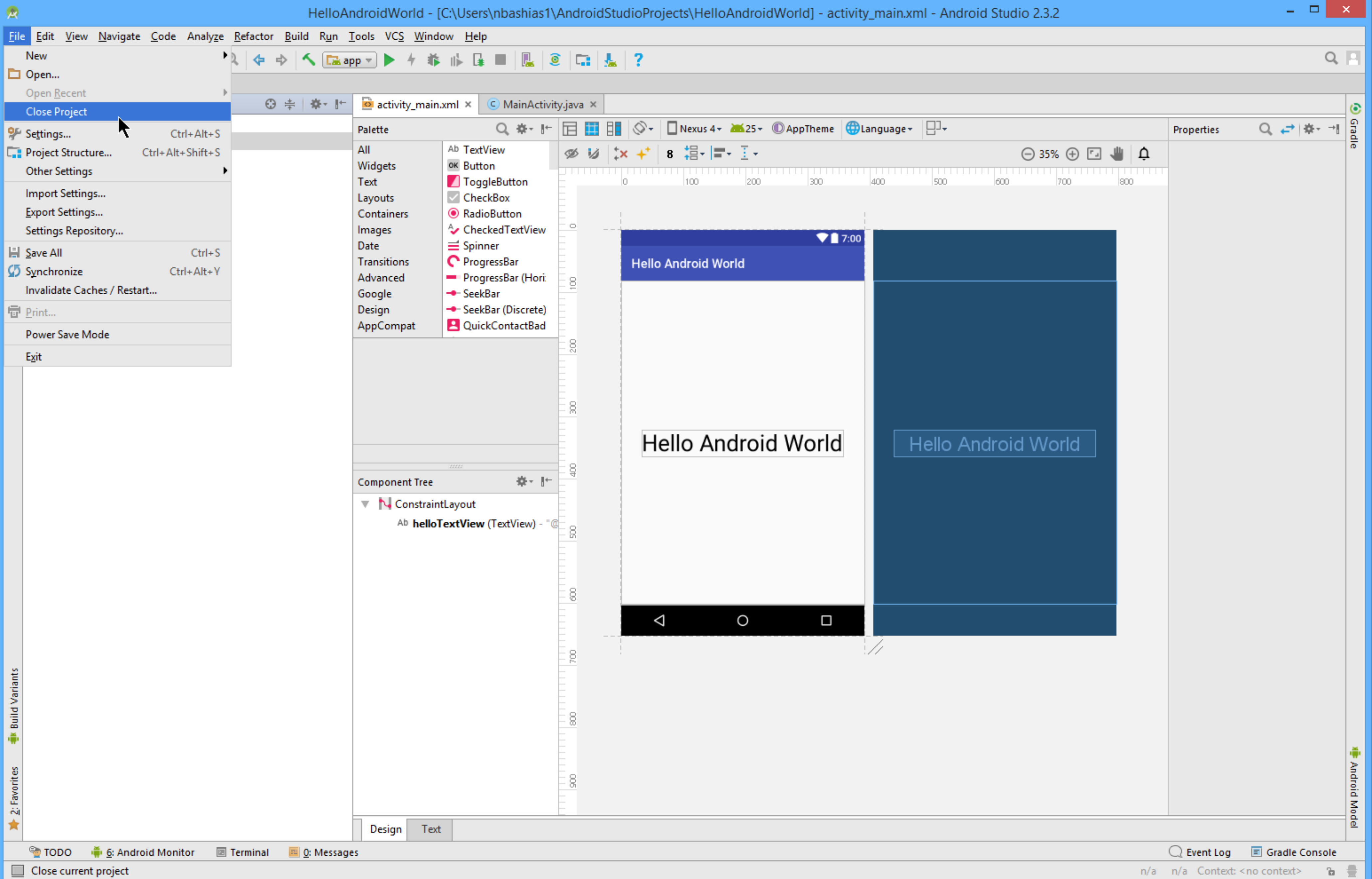
Your Virtual Devices  
Android Studio

| Type | Name            | Play Store | Resolution          | API | Target                    | CPU/ABI | Size on Disk | Actions |
|------|-----------------|------------|---------------------|-----|---------------------------|---------|--------------|---------|
|      | Nexus 10 API 23 |            | 2560 × 1600: xhdpi  | 23  | Android 6.0 (Google APIs) | x86     | 1 GB         |         |
|      | Nexus 4 API 22  |            | 768 × 1280: xhdpi   | 22  | Android 5.1 (Google APIs) | x86     | 1 GB         |         |
|      | Nexus 5 API 23  |            | 1080 × 1920: xxhdpi | 23  | Android 6.0 (Google APIs) | x86     | 1 GB         |         |
|      | Nexus 7 API 23  |            | 1200 × 1920: xhdpi  | 23  | Android 6.0 (Google APIs) | x86     | 1 GB         |         |

+ Create Virtual Device...







*This concludes this demo.*

