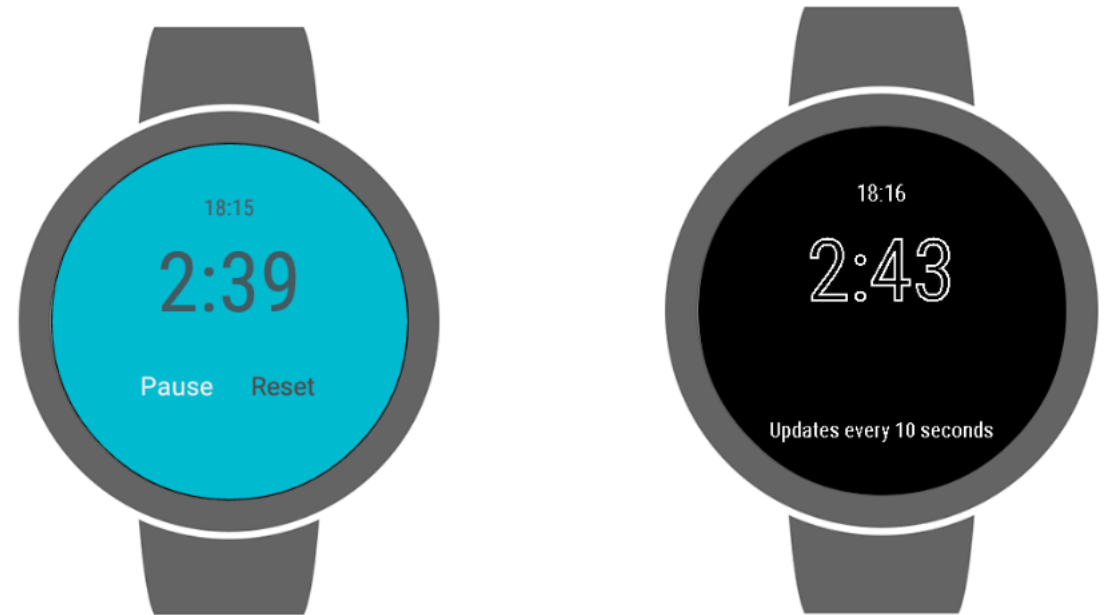# Lecture #10
Android Wear & TV

Android Things 2019

Wear OS by Google

- Build a wearable app.

- Build a watch face.

- Enrich Wear OS with your data.

Build a Wearable App

- git clone https://github.com/googlesamples/io2015-codelabs.git

Build a Watch Face

- git clone https://github.com/ googlecodelabs/watchface- kotlin

```
return analogWatchFaceStyle {
    watchFaceColors {
        main = Color.CYAN
        highlight = Color.parseColor("#ffa500")
        background = Color.WHITE
    }

    watchFaceDimensions {
        hourHandRadiusRatio = 0.2f
        minuteHandRadiusRatio = 0.5f
        secondHandRadiusRatio = 0.9f
    }

    watchFaceBackgroundImage {
        backgroundImageResource = R.drawable.background_image
    }
}
```

Enrich Wear OS with your Data

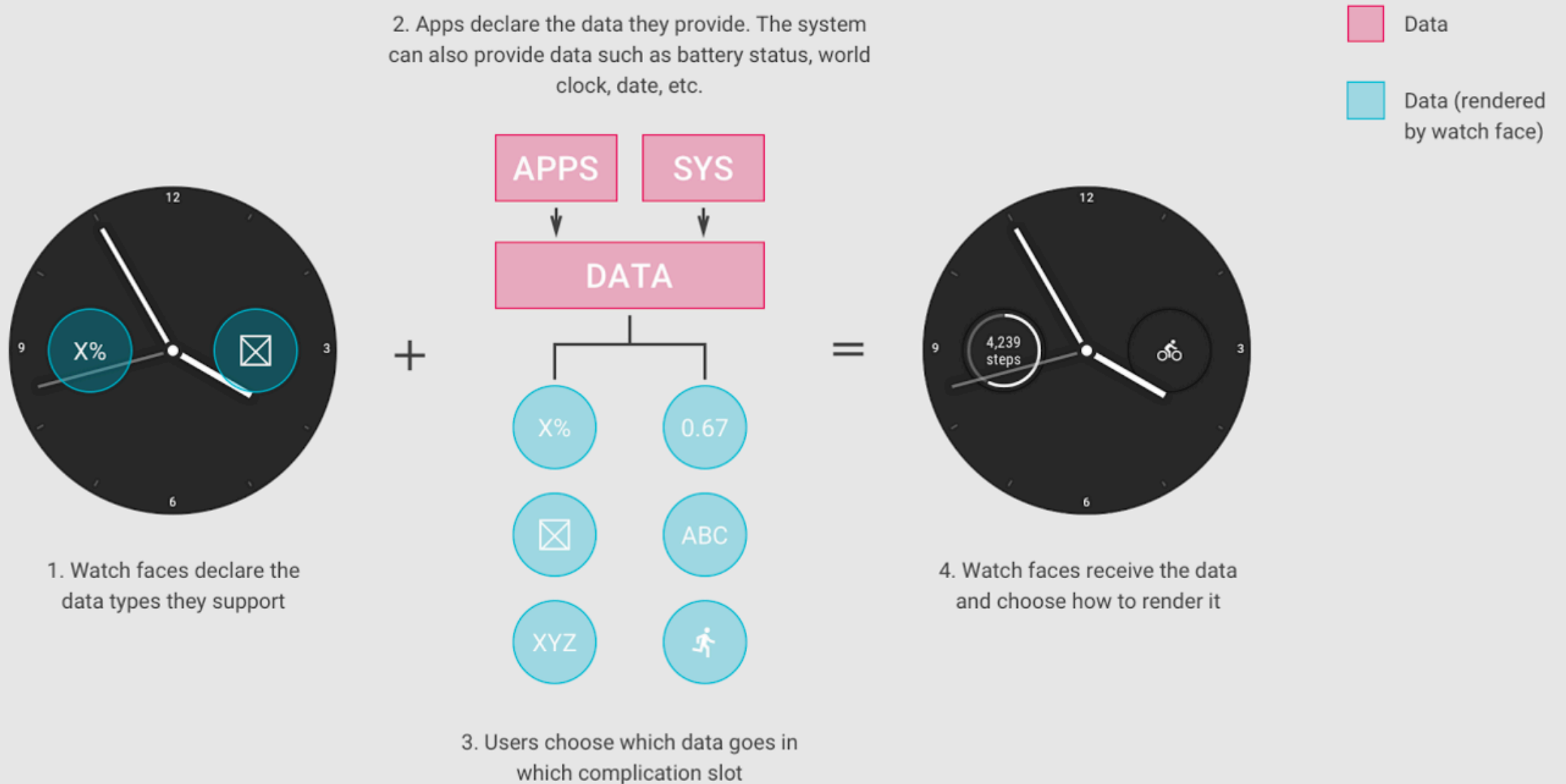- git clone https://github.com/ googlecodelabs/data-providers.git

Enrich Wear OS with your Data

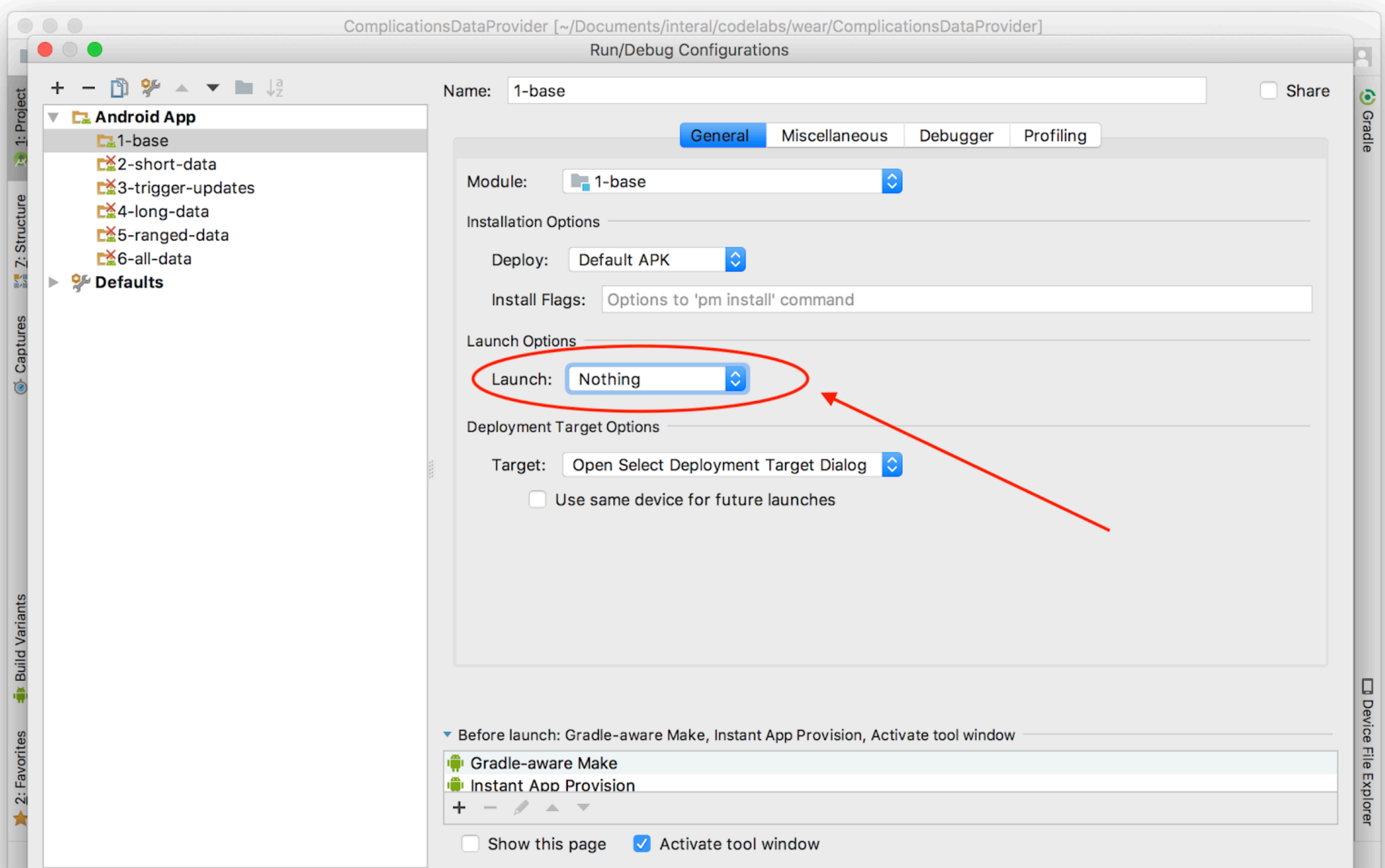- git clone https://github.com/googlecodelabs/data-providers.git
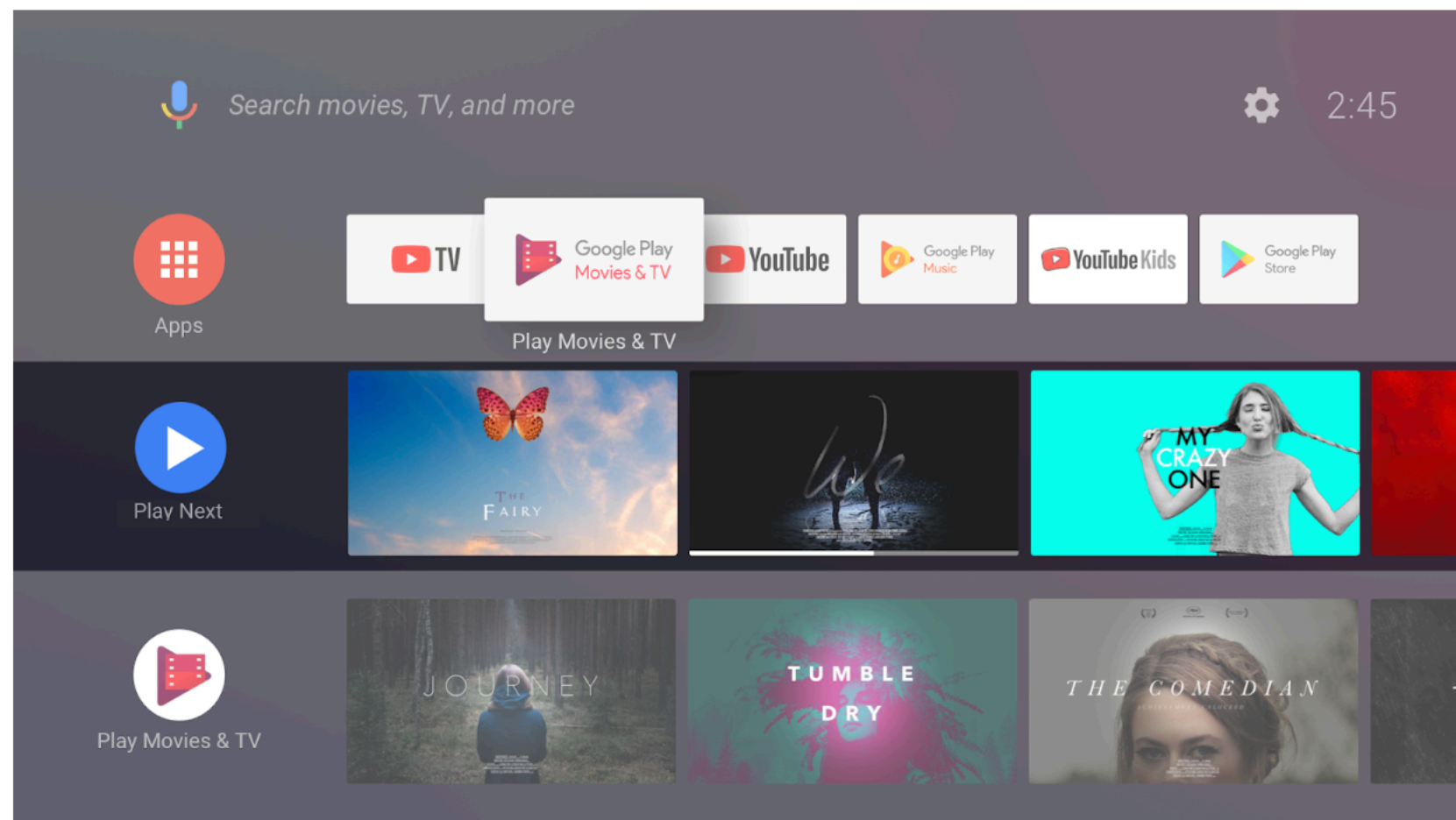
Complications

Providing Data

Run On Emulator

Android TV

Codelabs

Adding Leanback to your Android TV app

240 min   Updated May 18, 2016

Start

Deeper Content Integration with the New Android TV Home Screen

85 min   Updated May 7, 2018

Start

Raise engagement on Android TV by integrating with the Play Next row

33 min   Updated Apr 28, 2019

Start

Lecture outcomes

- Create a simple service to provide data to a wear complication.

- Create and understand how to create a TV application.