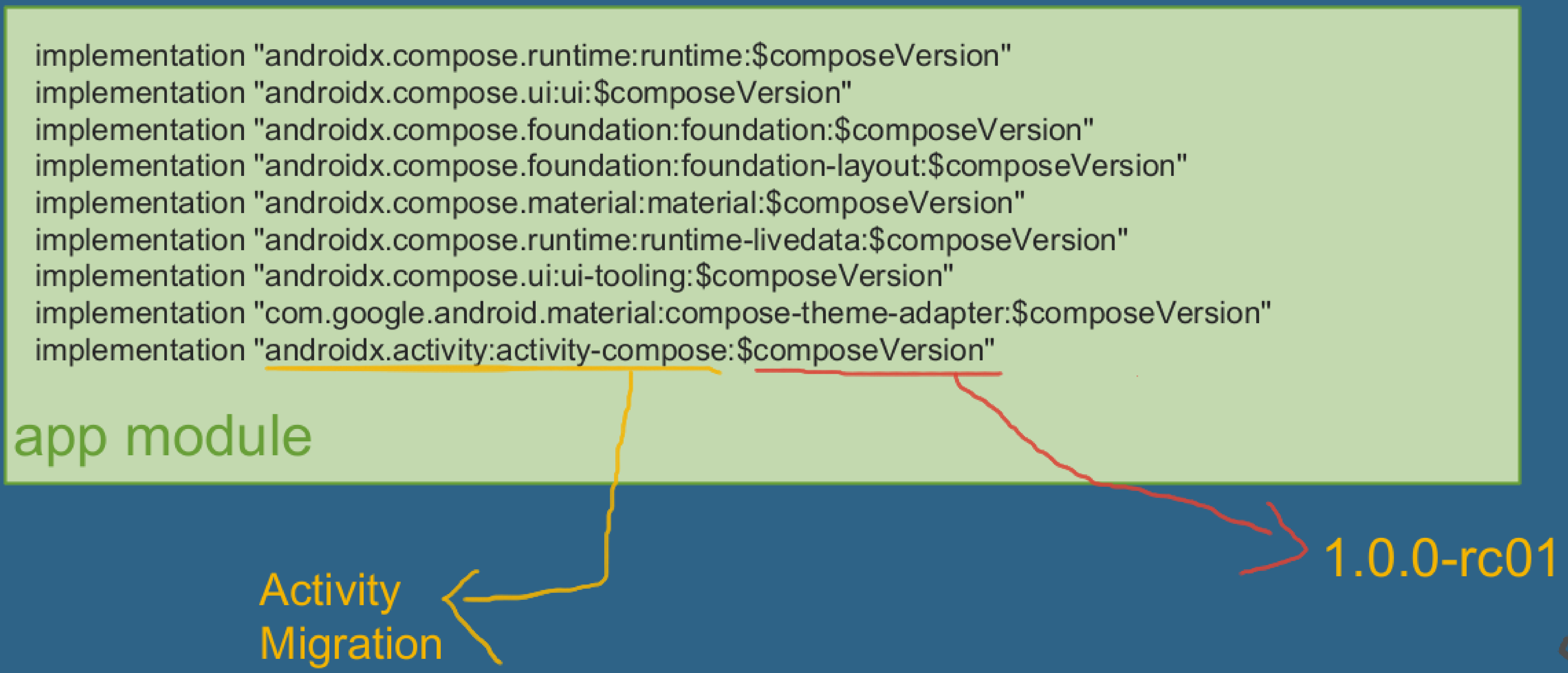
Migrate an Existing App to Compose

1. Install Android Studio Preview

- Beta: Artic Fox
- Canary: (Bumblebee)

Or

2. Add Gradle dependencies



```
implementation "androidx.compose.runtime:runtime:$composeVersion"
implementation "androidx.compose.ui:ui:$composeVersion"
implementation "androidx.compose.foundation:foundation:$composeVersion"
implementation "androidx.compose.foundation:foundation-layout:$composeVersion"
implementation "androidx.compose.material:material:$composeVersion"
implementation "androidx.compose.runtime:runtime-livedata:$composeVersion"
implementation "androidx.compose.ui:ui-tooling:$composeVersion"
implementation "com.google.android.material:compose-theme-adapter:$composeVersion"
implementation "androidx.activity:activity-compose:$composeVersion"
```

app module

Activity Migration

1.0.0-rc01

3. Enable compose as build feature

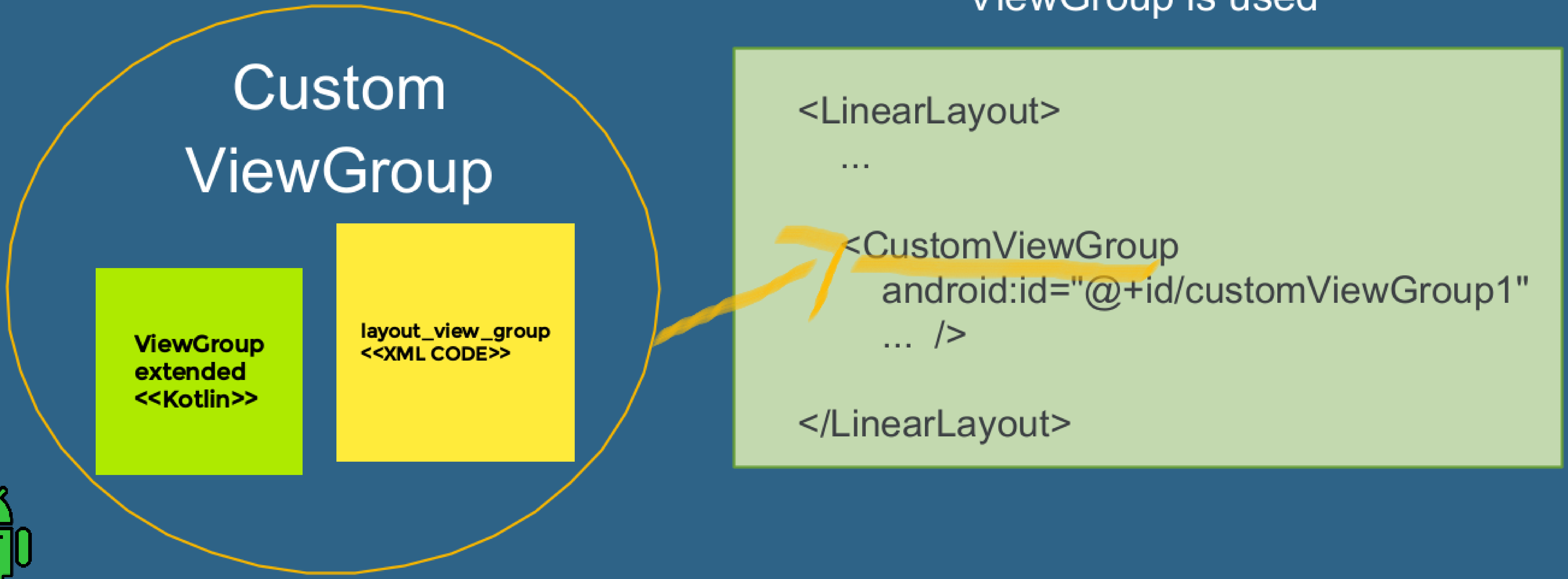
```
android {
...

    buildFeatures {
        ...
        compose true
    }
...
}
```

app module

Before Migration

Layout where the Custom ViewGroup is used



Custom ViewGroup

ViewGroup extended <<Kotlin>>

layout_view_group <<XML CODE>>

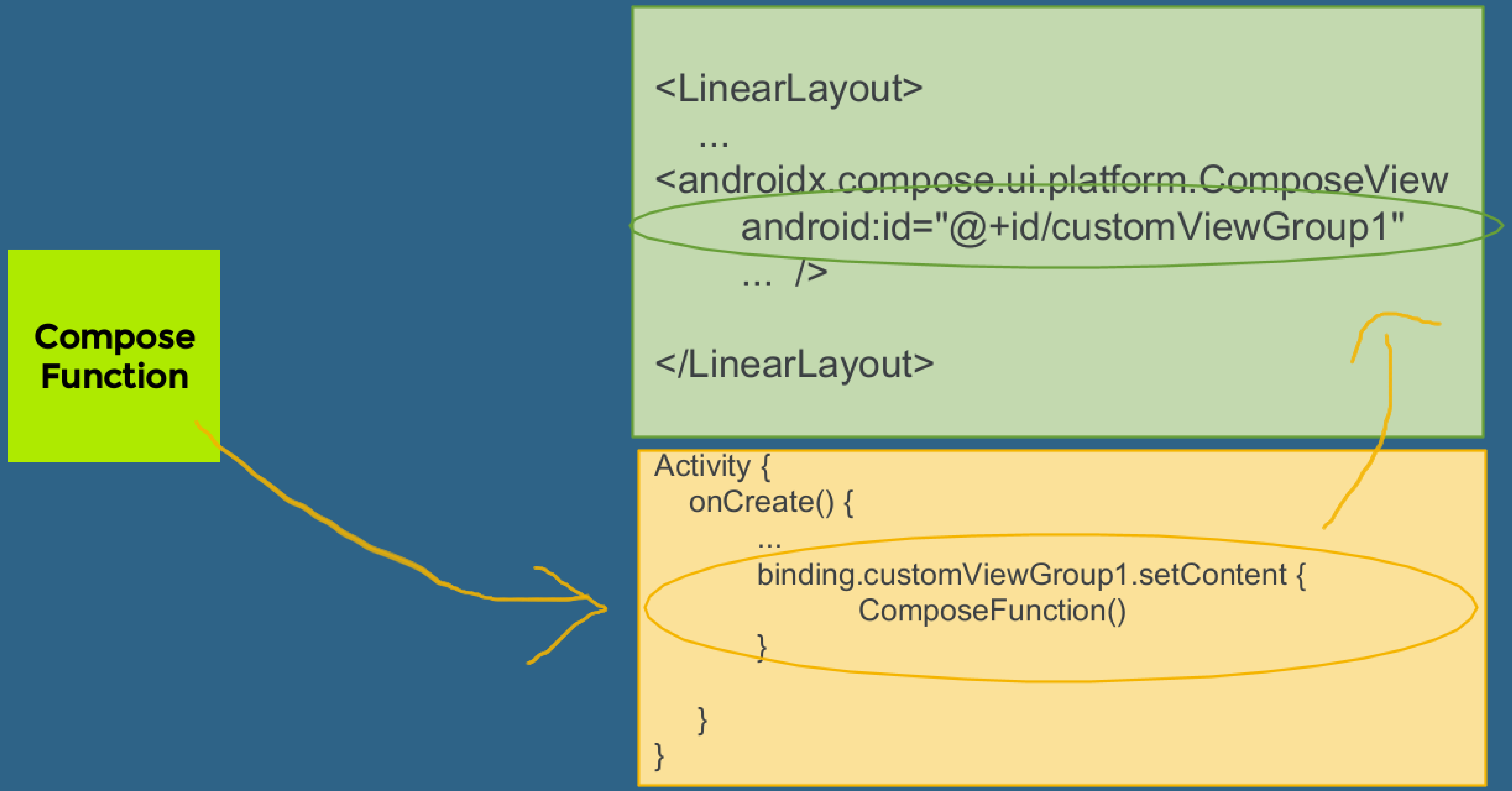
```
<LinearLayout>
   ...

  <CustomViewGroup
     android:id="@+id/customViewGroup1"
     ...  />

</LinearLayout>
```

After Migration

Activity Layout where the Custom ViewGroup is used



Compose Function

```
<LinearLayout>
    ...
<androidx.compose.ui.platform.ComposeView
        android:id="@+id/customViewGroup1"
        ...  />

</LinearLayout>
```

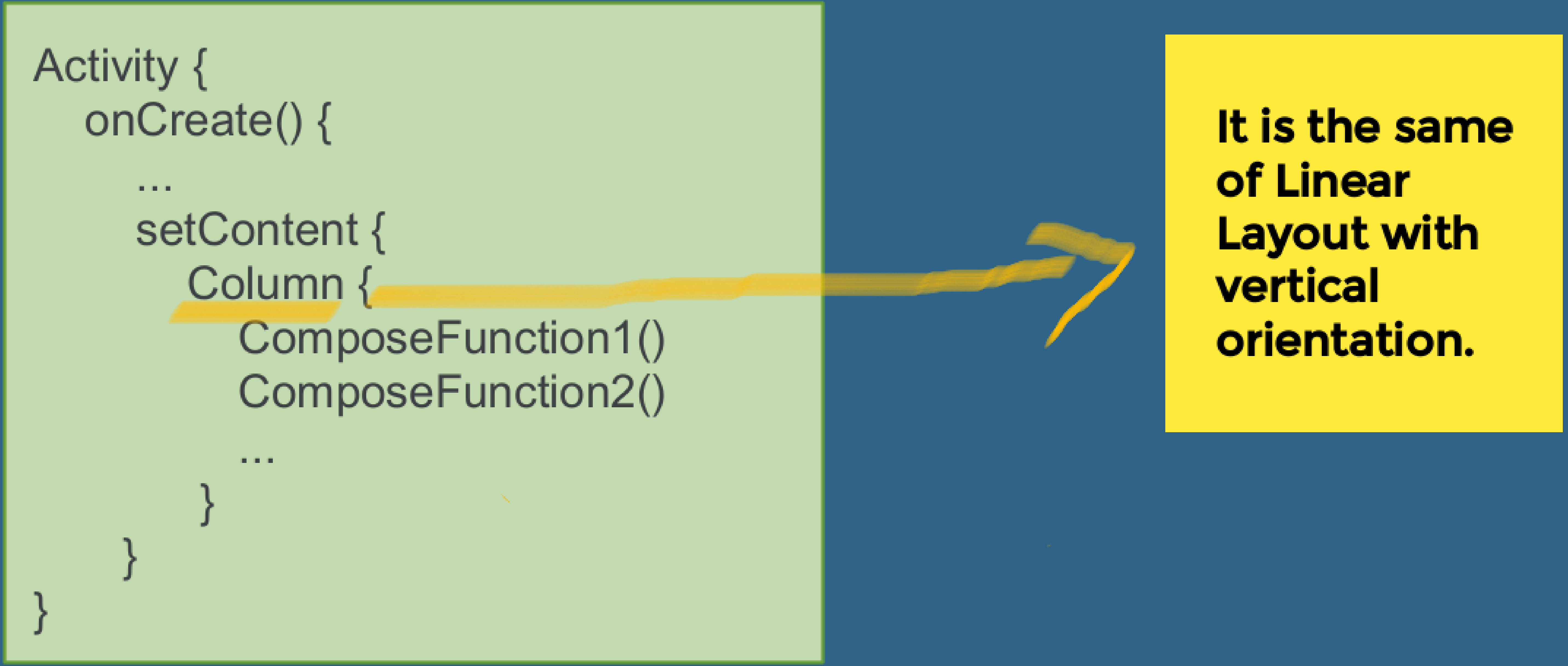
```
Activity {
    onCreate() {
            ...
            binding.customViewGroup1.setContent {
                    ComposeFunction()
            }


    }
}
```

Activity Migration

```
<LinearLayout>
    <androidx.compose.ui.platform.ComposeView
         ...  />
    <androidx.compose.ui.platform.ComposeView
         ...  />
    <androidx.compose.ui.platform.ComposeView
        ...  />
</LinearLayout>
```

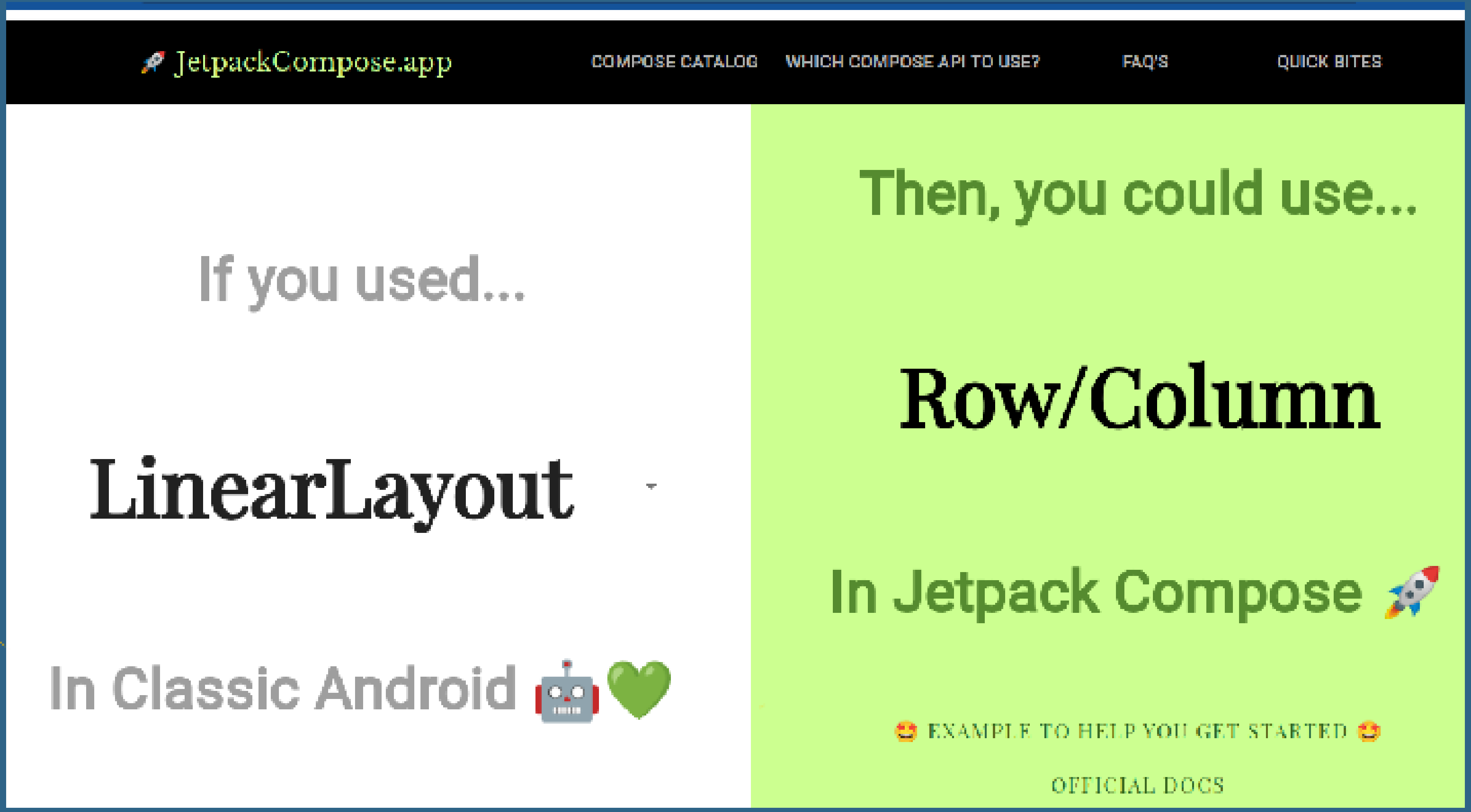
Activity Migration



```
Activity {
    onCreate() {
        ...
        setContent {
            Column {
                ComposeFunction1()
                ComposeFunction2()
                ...
            }
        }
}
```

It is the same of Linear Layout with vertical orientation.

How to know the equivalent UI Element in Compose?



🚀 JetpackCompose.app

COMPOSE CATALOG WHICH COMPOSE API TO USE? FAQ'S QUICK BITES

If you used...

LinearLayout

In Classic Android 🤖💚

Then, you could use...

Row/Column

In Jetpack Compose 🚀

🤩 EXAMPLE TO HELP YOU GET STARTED 🤩

OFFICIAL DOCS

Tip: https://www.jetpackcompose.app/