



# Xamarin.Android



# Android

- Open source OS by Google
- Hardware made by many
  - HTC
  - Samsung
  - Sony
  - LG
- Many hardware manufacturers means:
  - Many user interfaces
  - Many hardware configurations
  - Many active OS versions



# Xamarin.Android

- Based on Mono / MonoDroid
- .NET port for Android
- Standard .NET features
- C# 4.0 (ook C# 5.0 async support)
- Garbage collection
- LINQ
- System.Data
- Parallel FX
- Works on Mac and Windows

# Tools

## Mono

- Open source

## Xamarin / Visual Studio

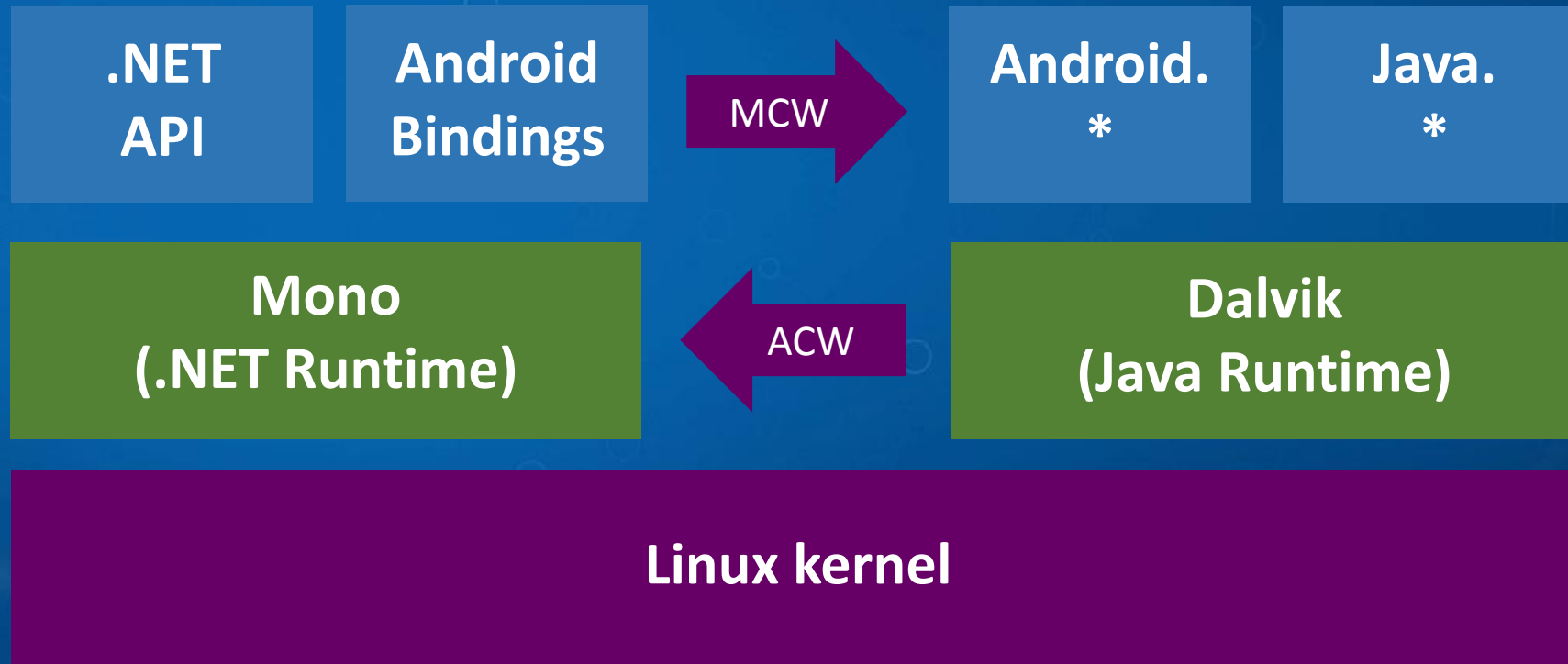
- Free / Licensed

## Android SDK

- Free



# Architecture





# Compilation



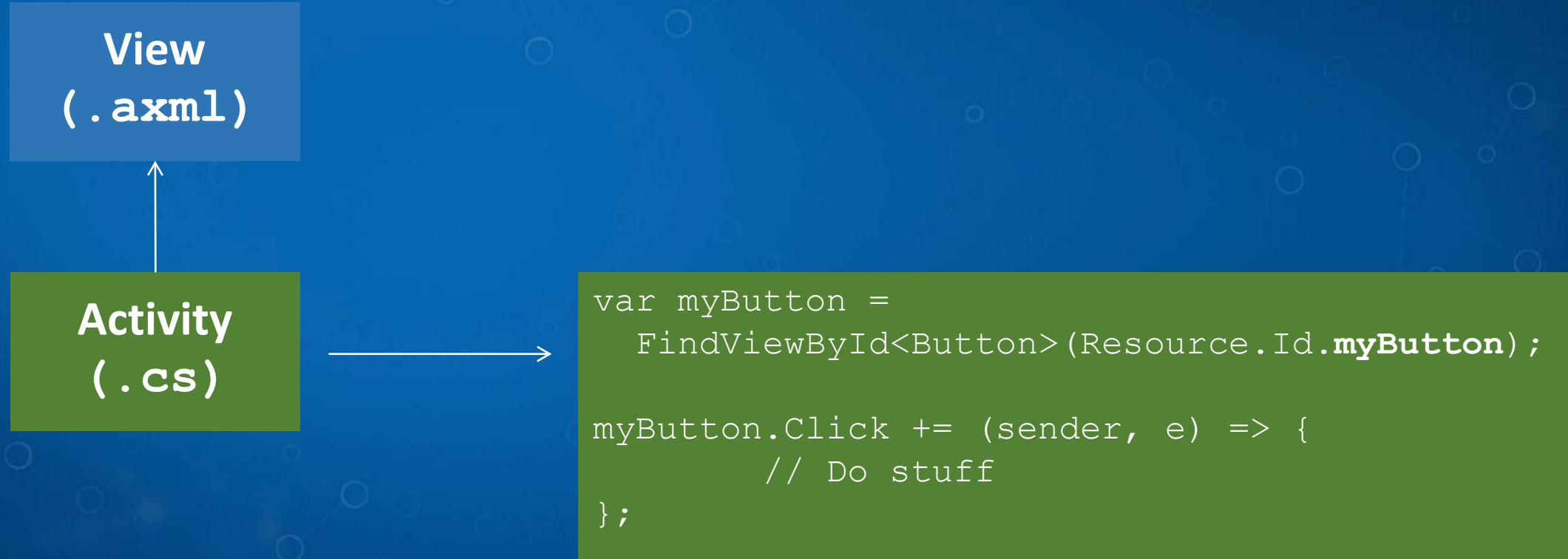
# App development

View  
(.axml)



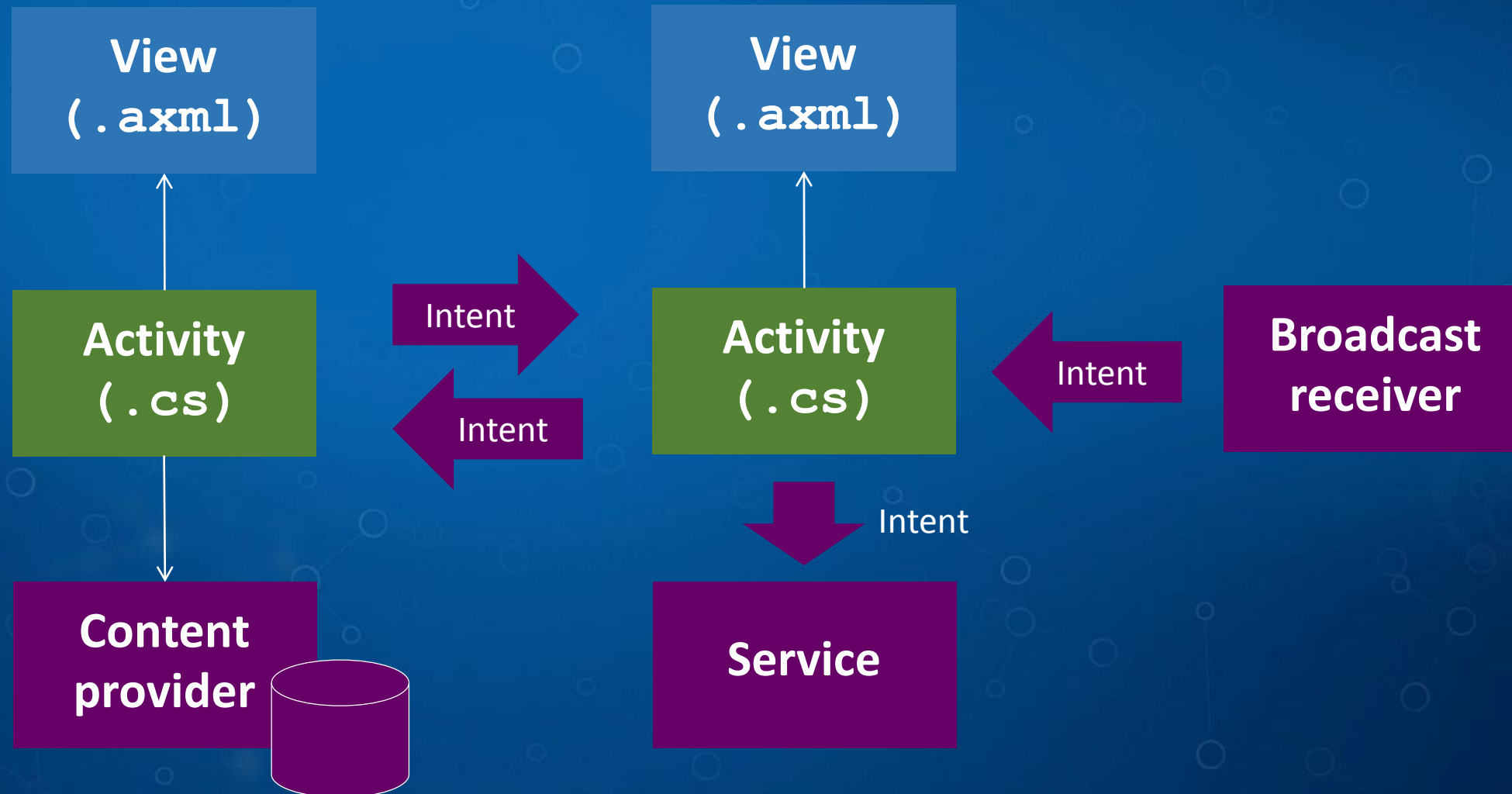
```
<Button  
    android:id="@+id/myButton"  
    android:layout_width="fill_parent"  
    android:layout_height="wrap_content"  
    android:text="Hello World" />
```

# App development





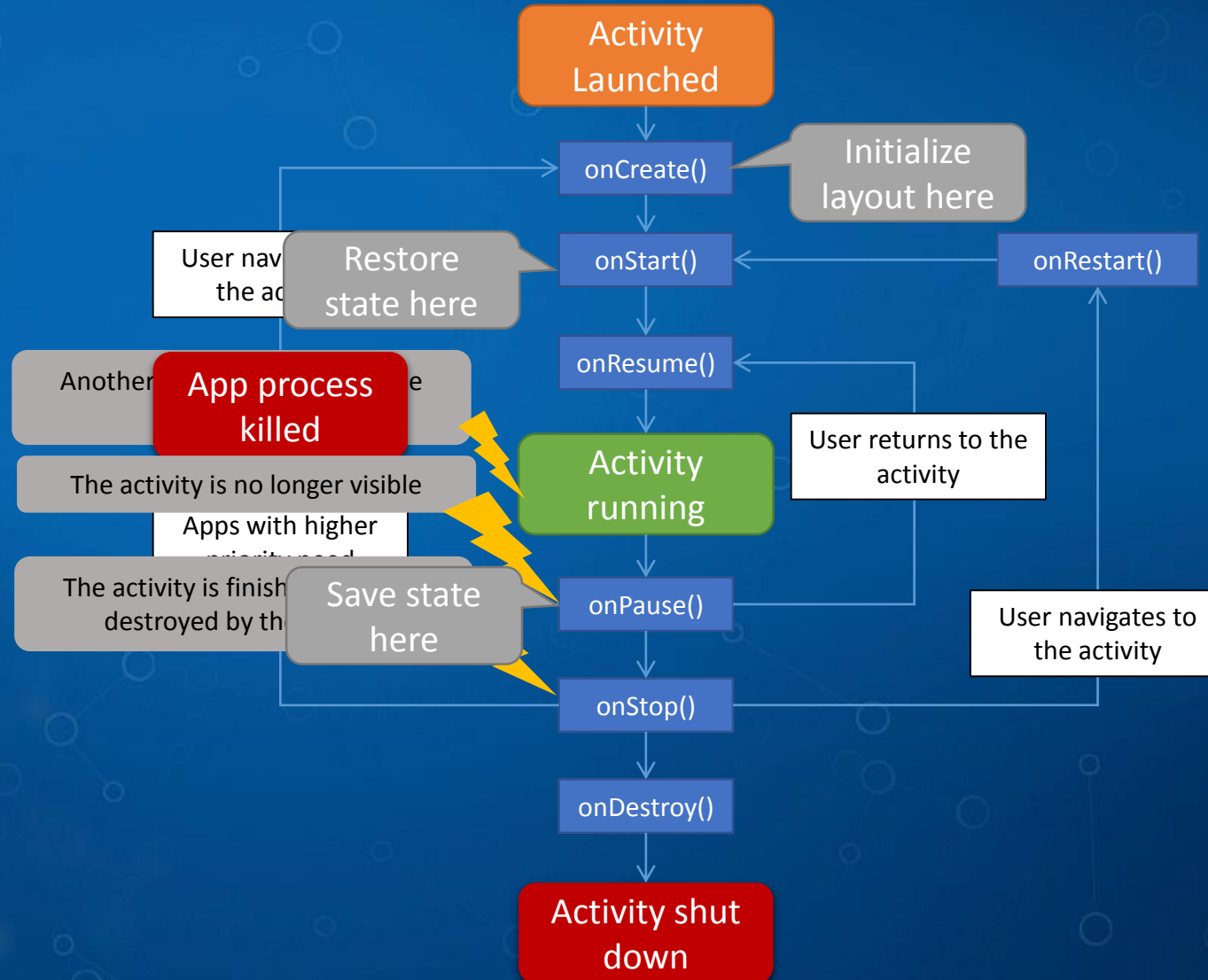
# App development



# Demo Xamarin.Android



# Activity lifecycle



# Demo Activity Lifecycle







Hands on