

Topic for discussion

Introduction to Compose Animation

Workshop hosted by **Hiren** (Android Engineer)



Animation Reimagined Compose Animation APIs

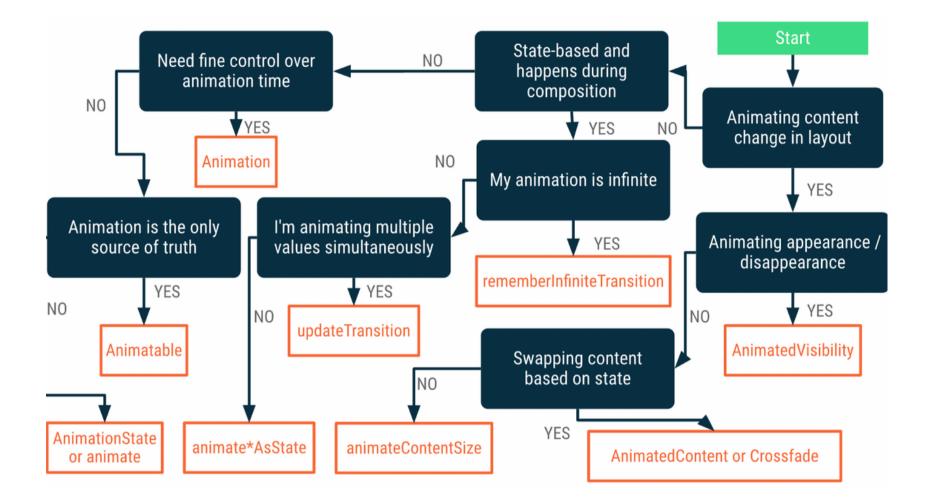
- Declarative and interruptible
- Easy to use
- Tooling support



Declaring Dependencies

```
dependencies {
    implementation("androidx.compose.animation:animation:1.2.0-beta03")
}
android {
    buildFeatures {
        compose = true
    }
    composeOptions {
        kotlinCompilerExtensionVersion = "1.2.0-beta03"
    }
    kotlinOptions {
        jymTarget = "1.8"
    }
}
```

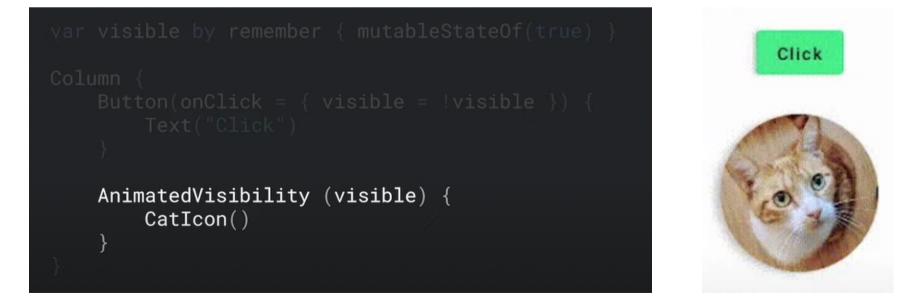
The diagram below helps you decide what API to use to implement your animation.



- For Appearance and disappearance use AnimatedVisibility
- Swapping content based on state:
 - If you are crossfading content: Crossfade
 - Otherwise use AnimatedContent
- If the animation is infinite rememberInfiniteTransition

Toggling Visibility - Enter and Exit





AnimatedVisibility & AnimatedContent

AnimatedVisibility

Enter and exit if its child

AnimatedContent

Transaction between content changes.

EnterTransition

fadeln()

slideIn()

scaleIn()

ExitTransition



fadeOut()

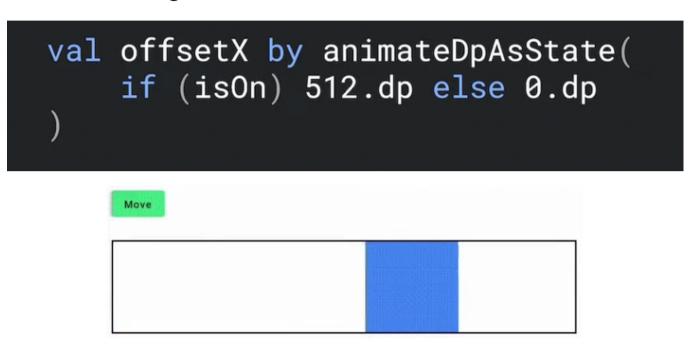


slideOut()



scaleOut()

animate*AsState Animate a single value Animate a single value



Interruptible Animation

Move

