



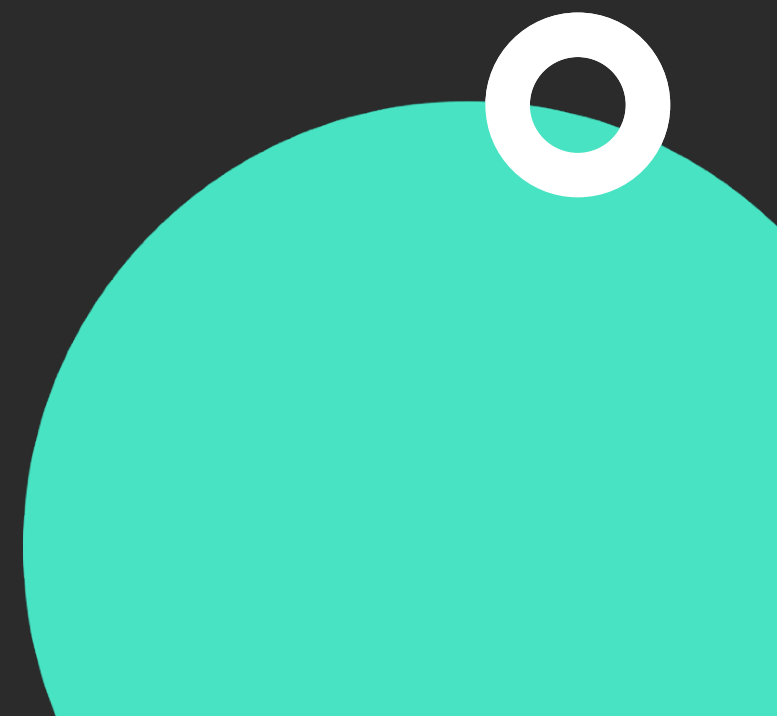
Handle widget click actions



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Section Overview

- Types of widget actions
- Trigger manual updates
- Open the app from widget





Types of widget actions



actionStartActivity



actionStartActivity

actionRunCallback



actionStartActivity

actionRunCallback

actionStartService



actionStartActivity

actionRunCallback

actionStartService

actionSendBroadcast



actionRunCallback

```
/**
 * Apply an [Action], to be executed in response to a user click.
 */
fun GlanceModifier.clickable(onClick: Action): GlanceModifier =
    this.then(ActionModifier(onClick))

class MyAction : ActionCallback {
    override suspend fun onAction(context: Context,
        glanceId: GlanceId, parameters: ActionParameters) {
        . . .
    }
}
```



StartActivityAction.kt

```
/**
 * Creates an [Action] that launches the specified [Activity] when triggered.
 *
 * @param activity class of the activity to launch
 * @param parameters the parameters associated with the action. Parameter values
 * will be added to
 * the activity intent, keyed by the parameter key name string.
 */
fun <T : Activity> actionStartActivity(
    activity: Class<T>,
    parameters: ActionParameters = actionParametersOf(),
): Action = StartActivityClassAction(activity, parameters, null)
```





Trigger manual updates



WeatherWidget.kt

```
class WidgetRefreshAction : ActionCallback {  
    override suspend fun onAction(  
        context: Context, glanceId: GlanceId, parameters: ActionParameters  
    ) {  
        // set loading  
        // get location(lat/long)  
        // start one time worker  
    }  
}
```





Open the app from widget



WeatherWidget.kt

```
Column(  
    modifier = GlanceModifier  
        .fillMaxSize()  
        .clickable(onClick = actionStartActivity(  
            activity = MainActivity::class.java,  
            parameters = actionParametersOf(/* some parameters */) )  
    )  
)
```





Code in Android Studio





Course wrap-up

Up Next

