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Handle widget click actions

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Section Overview

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- Trigger manual updates
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Types of widget actions

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actionStartActivity

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actionStartActivity

actionRunCallback

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actionStartActivity

actionRunCallback

actionStartService

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actionStartActivity

actionRunCallback

actionStartService

actionSendBroadcast

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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) {
        . . .
    }
}
```

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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)
```

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Trigger manual updates

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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
        }
}
```

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Open the app from widget

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WeatherWidget.kt

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

Code in Android Studio

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Course wrap-up

Up Next

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