droidcon academy

Accessibility in Android Jetpack Compose: Introduction To Accessibility

Quintin Balsdon

in In/qbalsdon

Section Overview

- Setting up an accessibility shortcut
- Quick overview:
  - TalkBack
  - Switch Access
  - Voice Access
  - Using Magnifier
  - External Keyboard
- Google’s Accessibility Scanner App

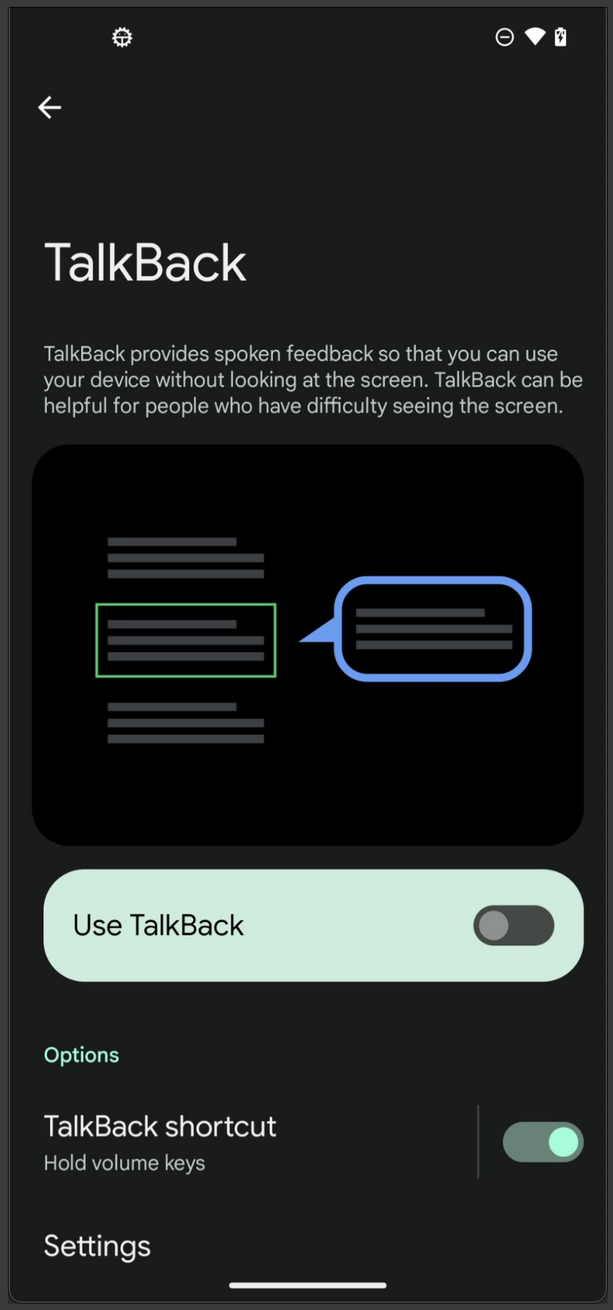
droidcon academy

Why is this important?

- Not be rushed or pressurised while trying to resolve issues
- Better understand different types of users
- Solve **problems**, not **symptoms**
- Diagnose **applications**, not **people**
- Test our apps more effectively

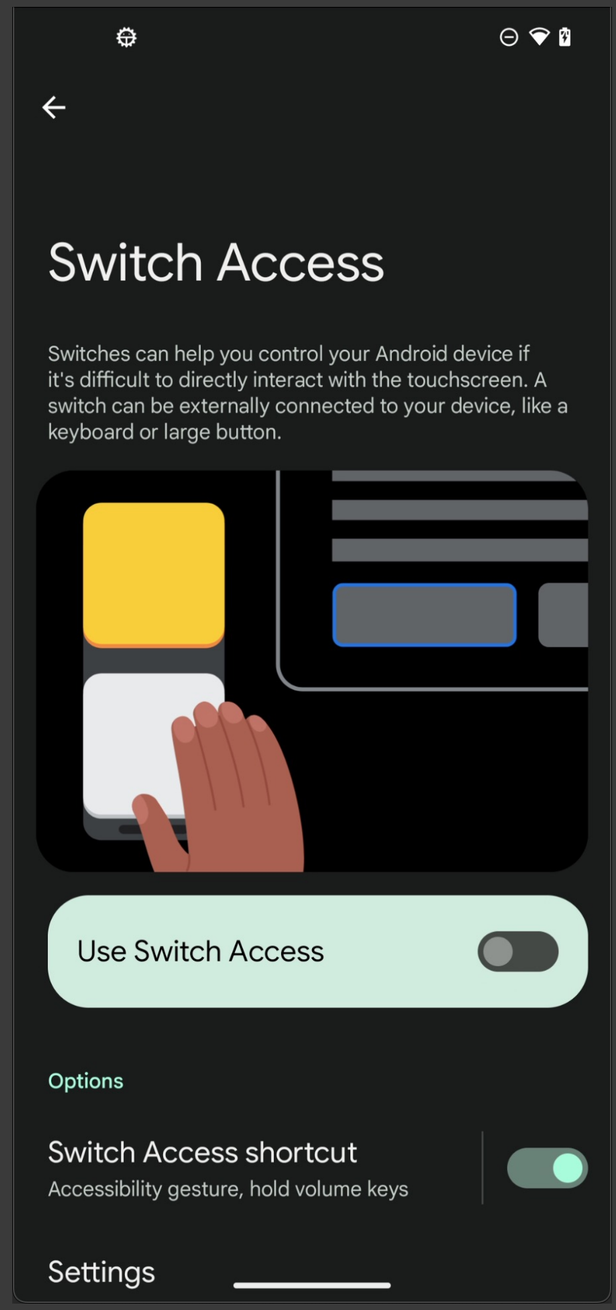
TalkBack

- Screen reader
- Used by people:
  - Who are **Blind** or have **low vision**
  - With **cognitive impairments**
  - With **motor related disabilities** (TalkBack has keyboard shortcuts!)
- Uses gestures or keyboard shortcuts
- Commonly misunderstood as “accessibility mode”



Switch Access

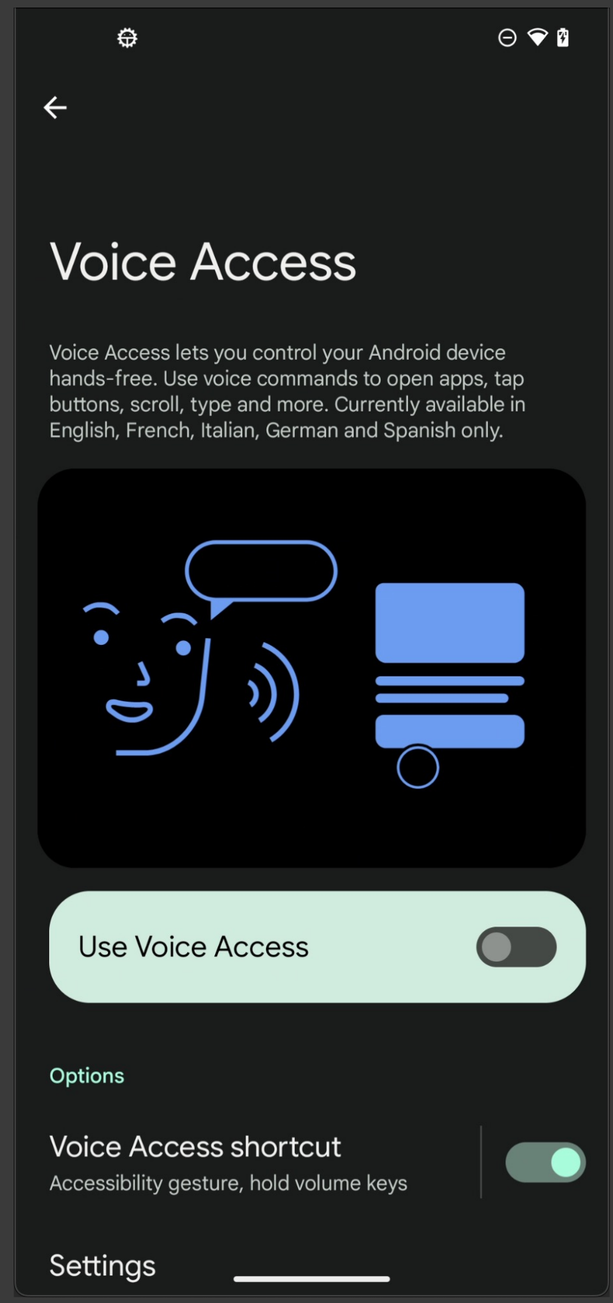
- Simplified keyboard
- Used by people with **motor related disabilities**
  - Stephen Hawking used a thumb switch and blink switch
  - Game controllers
  - Specialized buttons



droidcon academy

Voice Access

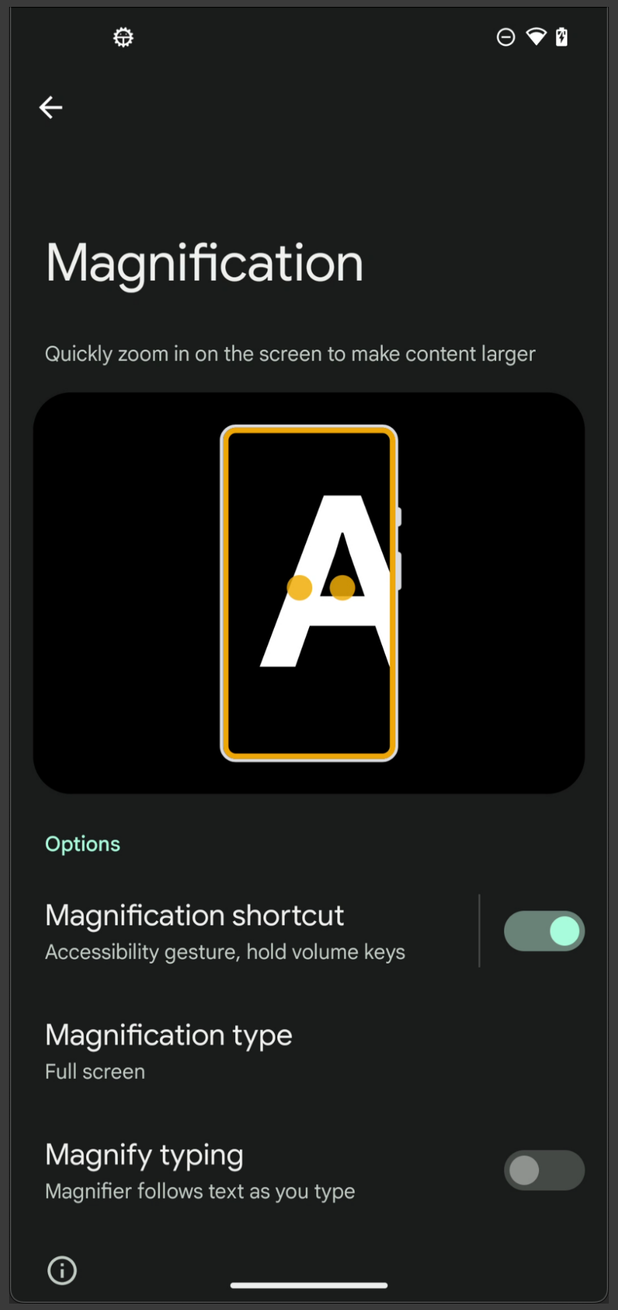
- Speech control
- Used by people with **motor related disabilities**



droidcon academy

Magnifier

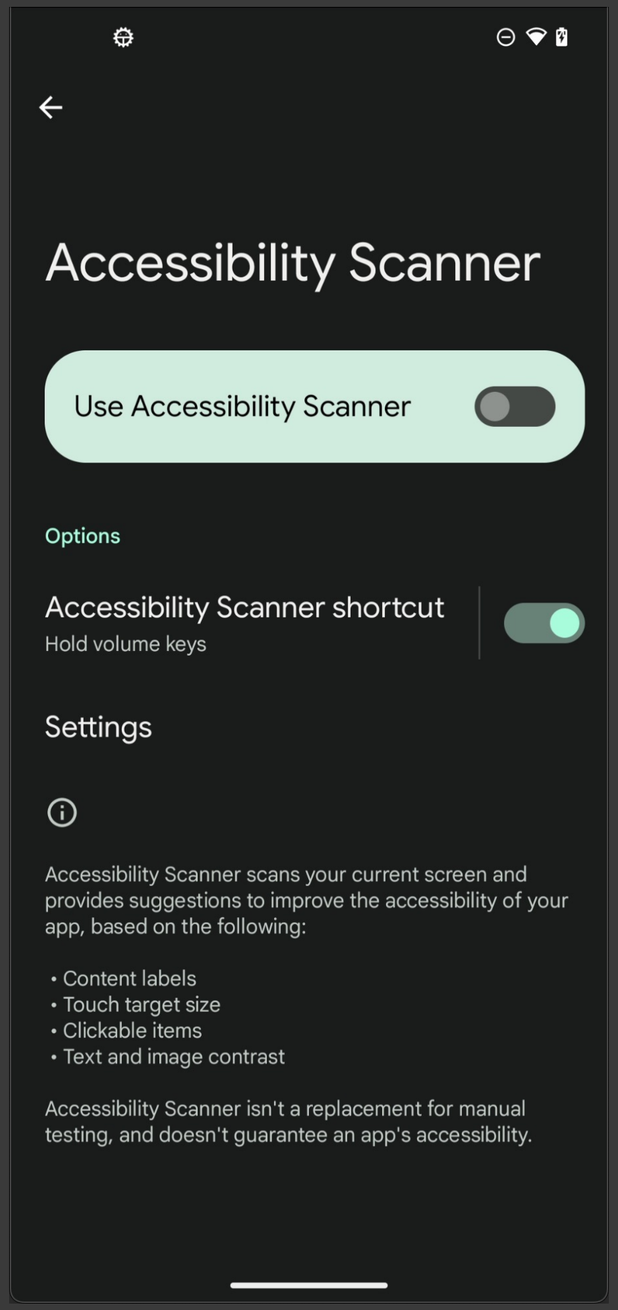
- Additional Screen Zoom
- Used by people with **low vision**



droidcon academy

Accessibility Scanner

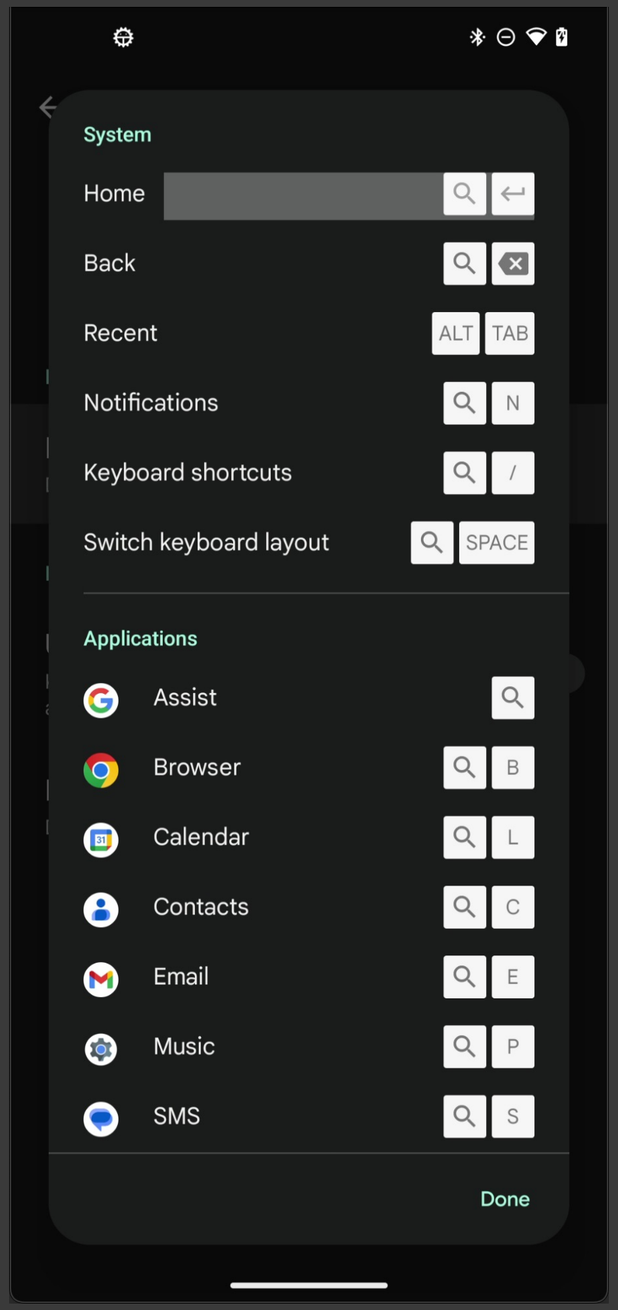
- Free Tool by Google
- Used by **developers**
- Checks for:
  - Touch target sizes
  - Color contrast
  - Descriptions
  - Link names



droidcon academy

Keyboard

- Used by **all types of users**
- Very common on Tablets, TV's



droidcon academy

Section Summary

- Accessibility shortcut
- Using accessibility services
- Accessibility Scanner

droidcon academy

Maximizing Jetpack Compose Previews

Up Next

droidcon academy