

[RealityKit](#) / Creating a spatial drawing app with RealityKit

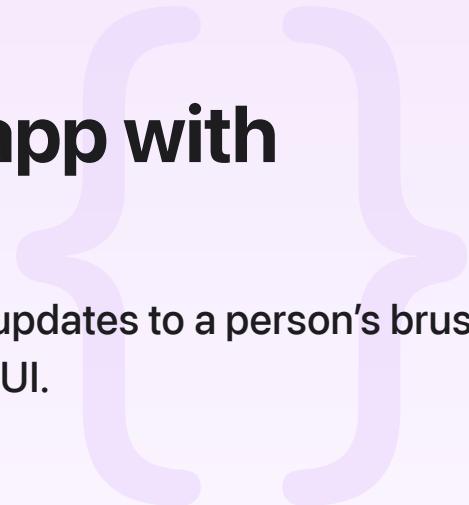
Sample Code

Creating a spatial drawing app with RealityKit

Use low-level mesh and texture APIs to achieve fast updates to a person's brush strokes by integrating RealityKit with ARKit and SwiftUI.

[Download](#)

visionOS 2.0+ | Xcode 16.0+



Overview

Note

This sample code project is associated with WWDC24 session 10104: [Build a spatial drawing app with RealityKit](#).

Configure the sample code project

To run this sample code, you'll need:

- An Apple Vision Pro with visionOS 2 or later
- Xcode 16 or later

Because this sample app uses ARKit hand tracking on visionOS, drawing features aren't available in the visionOS simulator.

See Also

Scene content

- { } Hello World
Use windows, volumes, and immersive spaces to teach people about the Earth.
- { } Enabling video reflections in an immersive environment
Create a more immersive experience by adding video reflections in a custom environment.
- { } Generating interactive geometry with RealityKit
Create an interactive mesh with low-level mesh and low-level texture.
- { } Combining 2D and 3D views in an immersive app
Use attachments to place 2D content relative to 3D content in your visionOS app.
- { } Transforming RealityKit entities using gestures
Build a RealityKit component to support standard visionOS gestures on any entity.
- { } Responding to gestures on an entity
Respond to gestures performed on RealityKit entities using input target and collision components.
- :≡ Models and meshes
Display virtual objects in your scene with mesh-based models.
- :≡ Materials, textures, and shaders
Apply textures to the surface of your scene's 3D objects to give each object a unique appearance.
- :≡ Anchors
Lock virtual content to the real world.
- :≡ Lights and cameras
Control the lighting and point of view for a scene.
- :≡ Content synchronization
Synchronize the contents of entities locally or across the network.
- :≡ Audio

Create personalized and realistic spatial audio experiences.

☰ Videos

Present videos in your RealityKit experiences.

☰ Images

Present images and spatial scenes in your RealityKit experiences.