

[Updates](#) / Vision updates

Article

Vision updates

Learn about important changes in Vision.



Overview

Browse notable changes in [Vision](#).

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- Use [DetectLensSmudgeRequest](#) and [SmudgeObservation](#) to detect a smudge with a confidence level in an image or video frame capture.
- Use [RecognizeDocumentsRequest](#) and [DocumentObservation](#) to scan a document and receive detailed information about its structure and content.

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- Use the new Swift-only API that follows best design practices in Swift and leverages modern language features like Swift concurrency for optimal performance.
- Analyze an image for aesthetically pleasing attributes by using [CalculateImageAestheticsScoresRequest](#) and provides a score through [ImageAestheticsScoresObservation](#). The score indicates whether an image contains memorable or exciting content.
- Use [DetectHumanBodyPoseRequest](#) to detect hands along side the 2D body joint skeleton.
- Use [DetectHumanBodyPoseRequest.Revision.revision2](#) to improve 2D human body pose detection.

See Also

Technology updates

-  **Accelerate updates**
Learn about important changes to Accelerate.
-  **Accessibility updates**
Learn about important changes to Accessibility.
-  **ActivityKit updates**
Learn about important changes in ActivityKit.
-  **AdAttributionKit Updates**
Learn about important changes to AdAttributionKit.
-  **App Clips updates**
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-  **AppKit updates**
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-  **AppleMapsServerAPI Updates**
Learn about important changes to AppleMapsServerAPI.
-  **Apple Pencil updates**
Learn about important changes to Apple Pencil.
-  **ARKit updates**
Learn about important changes to ARKit.
-  **Audio Toolbox updates**
Learn about important changes to Audio Toolbox.



AuthenticationServices updates

Learn about important changes to AuthenticationServices.



AVFAudio updates

Learn about important changes to AVFAudio.



AVFoundation updates

Learn about important changes to AVFoundation.