Structure

DetectBarcodesRequest

A request that detects barcodes in an image.

iOS 18.0+ | iPadOS 18.0+ | macOS 15.0+ | tvOS 18.0+ | visionOS 2.0+

```
struct DetectBarcodesRequest
```

Overview

This request generates a collection of <u>BarcodeObservation</u> objects that describe each barcode the request detects.

Topics

Creating a request

init(DetectBarcodesRequest.Revision?)
    Creates a barcode-detection request.

Getting the revision

let revision: DetectBarcodesRequest.Revision
    The algorithm or implementation the request uses.

static let supportedRevisions: [DetectBarcodesRequest.Revision]
    The collection of revisions the request supports.

enum Revision

A type that describes the algorithm or implementation that the request performs.

Inspecting a request

var symbologies: [BarcodeSymbology]

The barcode symbologies that the request detects in an image.

var supportedSymbologies: [BarcodeSymbology]

The collection of barcode symbologies that the request can recognize.

enum BarcodeSymbology

The barcode symbologies that the framework detects.

var coalescesCompositeSymbologies: Bool

A Boolean value that indicates whether the request coalesces multiple codes into one.

Performing a request

func perform(on: URL, orientation: CGImagePropertyOrientation?) async throws -> Self.Result

Performs the request on an image URL and produces observations.

Required Default implementations provided.

func perform(on: Data, orientation: CGImagePropertyOrientation?) async throws -> Self.Result

Performs the request on image data and produces observations.

Required Default implementations provided.

func perform(on: CGImage, orientation: CGImagePropertyOrientation?) async throws -> Self.Result

Performs the request on a Core Graphics image and produces observations.

Required Default implementations provided.

func perform(on: CVPixelBuffer, orientation: CGImagePropertyOrientation?) async throws -> Self.Result

Performs the request on a pixel buffer and produces observations.

Required Default implementations provided.

func perform(on: CMSampleBuffer, orientation: CGImagePropertyOrientation?) async throws -> Self.Result

Performs the request on a Core Media buffer and produces observations.

Required Default implementations provided.

```
func perform(on: CIImage, orientation: CGImagePropertyOrientation?)
async throws -> Self.Result
```

Performs the request on a Core Image image and produces observations.

Required Default implementations provided.

```
struct BarcodeObservation
```

An object that represents barcode information that an image-analysis request detects.

Relationships

Conforms To

```
CustomStringConvertible
Equatable
Hashable
ImageProcessingRequest
Sendable
SendableMetatype
VisionRequest
```