

[Vision](#) / DetectAnimalBodyPoseRequest

## Structure

# DetectAnimalBodyPoseRequest

A request that detects an animal body pose.

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

```
struct DetectAnimalBodyPoseRequest
```

## Overview

This request generates a collection of [AnimalBodyPoseObservation](#) objects that describe the position of each animal the request detects.

## Topics

### Creating a request

```
init(DetectAnimalBodyPoseRequest.Revision?)
```

Creates an animal body pose-detection request.

### Getting the revision

```
let revision: DetectAnimalBodyPoseRequest.Revision
```

The algorithm or implementation the request uses.

```
static let supportedRevisions: [DetectAnimalBodyPoseRequest.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 supportedJointNames: [AnimalBodyPoseObservation.JointName]
```

The joint names the request supports.

```
var supportedJointsGroupNames: [AnimalBodyPoseObservation.JointsGroupName]
```

The joint group names the request supports.

## 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.

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```
struct AnimalBodyPoseObservation
```

An observation that provides the animal body points the analysis recognizes.

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## Relationships

### Conforms To

CustomStringConvertible

Equatable

Hashable

ImageProcessingRequest

Sendable

SendableMetatype

VisionRequest

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### See Also

#### Animal detection

```
struct RecognizeAnimalsRequest
```

A request that recognizes animals in an image.