

[Core Data](#) / `NSAsynchronousFetchRequest`

## Class

# NSAsynchronousFetchRequest

A fetch request that retrieves results asynchronously and supports progress notification.

iOS 8.0+ | iPadOS 8.0+ | Mac Catalyst 13.1+ | macOS 10.10+ | tvOS | visionOS 1.0+ | watchOS 2.0+

```
class NSAsynchronousFetchRequest<ResultType> where ResultType : NSFetchedResult
```

## Topics

### Initializing a Request

```
init(fetchRequest: NSFetchedRequest<ResultType>, completionBlock: ((NSAsynchronousFetchResult<ResultType>) -> Void)?)
```

Initializes a new asynchronous fetch request configured with the provided fetch request and completion block.

### Preparing a Request

```
var completionBlock: NSPersistentStoreAsynchronousFetchResultCompletionBlock?
```

The block that is executed when the fetch request has completed.

```
var estimatedResultCount: Int
```

A configuration parameter that assists Core Data with scheduling the asynchronous fetch request.

`var fetchRequest: NSFetchRequest<ResultType>`  
The underlying fetch request that is executed asynchronously.

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## Relationships

### Inherits From

`NSPersistentStoreRequest`

### Conforms To

`CVarArg`  
`CustomDebugStringConvertible`  
`CustomStringConvertible`  
`Equatable`  
`Hashable`  
`NSCopying`  
`NSObjectProtocol`

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## See Also

### Fetch requests

- `class NSFetchRequest`  
A description of search criteria used to retrieve data from a persistent store.
- `class NSAsynchronousFetchResult`  
A fetch result object that encompasses the response from an executed asynchronous fetch request.
- `class NSFetchedResultsController`  
A controller that you use to manage the results of a Core Data fetch request and to display data to the user.