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Instance Method

fetch(_:)

Returns an array of typed models that match the criteria of the specified fetch descriptor.

iOS 17.0+ | iPadOS 17.0+ | Mac Catalyst 17.0+ | macOS 14.0+ | tvOS 17.0+ | visionOS 1.0+ | watchOS 10.0+ |
Swift 5.9+

```
func fetch<T>(_ descriptor: FetchDescriptor<T>) throws -> [T] where T : PersistentModel
```

Parameters

descriptor

A fetch descriptor that provides the configuration for the fetch.

Return Value

The array of typed models that satisfy the criteria of the fetch descriptor. If no models match the criteria, the array is empty.

See Also

Fetching models

```
func fetch<T>(FetchDescriptor<T>, batchSize: Int) throws -> FetchResultsCollection<T>
```

Returns a collection of typed models, in batches, which match the criteria of the specified fetch descriptor.

```
func fetchCount<T>(FetchDescriptor<T>) throws -> Int
```

Returns the number of models that match the criteria of the specified fetch descriptor.

```
struct FetchDescriptor
```

A type that describes the criteria, sort order, and any additional configuration to use when performing a fetch.

```
struct FetchResultsCollection
```

A collection that efficiently provides the results of a completed fetch.

```
func enumerate<T>(FetchDescriptor<T>, batchSize: Int, allowEscapingMutations: Bool, block: (T) throws -> Void) throws
```

Runs a closure for each model that matches the criteria of the specified fetch descriptor.

```
func model(for: PersistentIdentifier) -> any PersistentModel
```

Returns the persistent model for the specified identifier.

```
func registeredModel<T>(for: PersistentIdentifier) -> T?
```

Returns the typed model for the specified identifier.