

[HummingbirdCore](#) / Request

Structure

Request

Holds all the values required to process a request

```
struct Request
```

Topics

Initializers

```
init(head: HTTPRequest, body: RequestBody)
```

Create new Request

Instance Properties

```
var body: RequestBody
```

```
var cookies: Cookies
```

access cookies from request. When accessing this for the first time the Cookies struct will be created

```
let head: HTTPRequest
```

HTTP head

```
var headers: HTTPFields
```

Request HTTP headers

```
var method: HTTPRequest.Method
```

Request HTTP method

```
let uri: URI
```

URI path

Instance Methods

```
func collectBody(upTo: Int) async throws -> ByteBuffer
```

Collapse body into one ByteBuffer.

```
func decode<Type>(as: Type.Type, context: some RequestContext) async  
throws -> Type
```

Decode request using decoder stored at [requestDecoder](#).

```
func ifMatch(headers: HTTPFields, eTag: String, context: some  
RequestContext, process: () async throws -> some ResponseGenerator)  
async throws -> Response
```

Conditional request which will only be processed if the eTag supplied is in the If-Match request header.

```
func ifModifiedSince(headers: HTTPFields, modificationDate: Date,  
context: some RequestContext, process: () async throws -> some  
ResponseGenerator) async throws -> Response
```

Conditional request which will only be processed if the modification date supplied is after the date in the If-Modified-Since request header.

```
func ifNoneMatch(headers: HTTPFields, eTag: String, context: some  
RequestContext, process: () async throws -> some ResponseGenerator)  
async throws -> Response
```

Conditional request which will only be processed if the eTag supplied is not in the If-None-Match request header.

```
func ifUnmodifiedSince(headers: HTTPFields, modificationDate: Date,  
context: some RequestContext, process: () async throws -> some  
ResponseGenerator) async throws -> Response
```

Conditional request which will only be processed if the modification date supplied is before the date in the If-Unmodified-Since request header.

Default Implementations

☰ CustomStringConvertible Implementations

Relationships

Conforms To

Swift.Copyable, Swift.CustomStringConvertible, Swift.Sendable

See Also

Request/Response

`typealias` Parameters

Parameters is a special case of FlatDictionary where both the key and value types are Substrings. It is used for parameters extracted from URIs

`struct` MediaType

Define media type of file

`struct` CacheControl

Associates cache control values with filename

`struct` Response

Holds all the required to generate a HTTP Response

`protocol` ResponseBodyWriter

HTTP Response Body part writer

`struct` EditedResponse

`struct Cookie`

Structure holding a single cookie

`struct Cookies`

Structure holding an array of cookies
