

[Foundation](#) / HTTPURLResponse

Class

HTTPURLResponse

The metadata associated with the response to an HTTP protocol URL load request.

iOS 2.0+ | iPadOS 2.0+ | Mac Catalyst 13.1+ | macOS 10.2+ | tvOS 9.0+ | visionOS 1.0+ | watchOS 2.0+

```
class HTTPURLResponse
```

Overview

The [HTTPURLResponse](#) class is a subclass of [URLResponse](#) that provides methods for accessing information specific to HTTP protocol responses. Whenever you make HTTP URL load requests, any response objects you get back from the [URLSession](#), [NSURLConnection](#), or [NSURLSessionDownload](#) class are instances of the [HTTPURLResponse](#) class.

Topics

Initializing a response object

```
init?(url: URL, statusCode: Int, httpVersion: String?, headerFields: [String : String]?)
```

Initializes an HTTP URL response object with a status code, protocol version, and response headers.

Getting HTTP response headers

```
var allHeaderFields: [AnyHashable : Any]
```

All HTTP header fields of the response.

```
func value(forHTTPHeaderField: String) -> String?
```

Returns the value that corresponds to the given header field.

Getting response status codes

```
class func localizedString(forStatusCode: Int) -> String
```

Returns a localized string corresponding to a specified HTTP status code.

```
var statusCode: Int
```

The response's HTTP status code.

Relationships

Inherits From

URLResponse

Conforms To

CVarArg

CustomDebugStringConvertible

CustomStringConvertible

Equatable

Hashable

NSCoding

NSCopying

NSObjectProtocol

NSSecureCoding

Sendable

SendableMetatype

See Also

Requests and responses

`struct URLRequest`

A URL load request that is independent of protocol or URL scheme.

`class NSURLRequest`

A URL load request that is independent of protocol or URL scheme.

`class NSMutableURLRequest`

A mutable URL load request that is independent of protocol or URL scheme.

`class URLResponse`

The metadata associated with the response to a URL load request, independent of protocol and URL scheme.