<http://msdn.microsoft.com/en-us/library/system.web.httpcacheability(v=vs.85).aspx>

HttpCacheability Enumeration

**.NET Framework 3.0**

[Other Versions](javascript:;)

http://i3.msdn.microsoft.com/Areas/Epx/Content/Images/ImageSprite.png

1 out of 1 rated this helpful - [Rate this topic](http://msdn.microsoft.com/en-us/library/system.web.httpcacheability(v=vs.85).aspx#feedback)

Provides enumerated values that are used to set the **Cache-Control** HTTP header.

**Namespace:** System.Web  
**Assembly:** System.Web (in system.web.dll)

[Syntax](javascript:void(0))

C#

[**C++**](http://msdn.microsoft.com/en-us/library/system.web.httpcacheability(v=vs.85).aspx?cs-save-lang=1&cs-lang=cpp#code-snippet-1)

[**VB**](http://msdn.microsoft.com/en-us/library/system.web.httpcacheability(v=vs.85).aspx?cs-save-lang=1&cs-lang=vb#code-snippet-1)

public enum HttpCacheability

J#

public enum HttpCacheability

JScript

public enum HttpCacheability

[Members](javascript:void(0))

|  |  |  |
| --- | --- | --- |
|  | **Member name** | **Description** |
|  | **NoCache** | Sets the **Cache-Control: no-cache** header. Without a field name, the directive applies to the entire request and a shared (proxy server) cache must force a successful revalidation with the origin Web server before satisfying the request. With a field name, the directive applies only to the named field; the rest of the response may be supplied from a shared cache. |
|  | **Private** | Default value. Sets **Cache-Control: private** to specify that the response is cacheable only on the client and not by shared (proxy server) caches. |
|  | **Public** | Sets **Cache-Control: public** to specify that the response is cacheable by clients and shared (proxy) caches. |
|  | **Server** | Specifies that the response is cached only at the origin server. Similar to the [NoCache](http://msdn.microsoft.com/en-us/library/system.web.httpcacheability(v=vs.85).aspx) option. Clients receive a **Cache-Control: no-cache** directive but the document is cached on the origin server. Equivalent to [ServerAndNoCache](http://msdn.microsoft.com/en-us/library/system.web.httpcacheability(v=vs.85).aspx). |
|  | **ServerAndNoCache** | Applies the settings of both [Server](http://msdn.microsoft.com/en-us/library/system.web.httpcacheability(v=vs.85).aspx) and **NoCache** to indicate that the content is cached at the server but all others are explicitly denied the ability to cache the response. |
|  | **ServerAndPrivate** | Indicates that the response is cached at the server and at the client but nowhere else. Proxy servers are not allowed to cache the response. |

[Remarks](javascript:void(0))

For more information, go to RFC 2616: Hypertext Transfer Protocol -- HTTP/1.1, on the [World Wide Web Consortium (W3C)](http://go.microsoft.com/fwlink/?linkid=37125) Web site. In particular, for complete details, see Section 14.9 "Cache-Control" and Section 13, "Caching in HTTP."

|  |  |  |
| --- | --- | --- |
| **NoteNote:** | | |
| **NoCache** does not send the common HTTP 1.0 request directive **Pragma: no-cache**. | | |
| **Topic** | **Location** | |
| [How to: Cache Versions of a Page Using HTTP Headers](http://msdn.microsoft.com/en-us/library/a6s4ks5w(v=vs.85).aspx) | Building ASP .NET Web Applications | |
| [How to: Set the Cacheability of an ASP.NET Page Declaratively](http://msdn.microsoft.com/en-us/library/zd1ysf1y(v=vs.85).aspx) | Building ASP .NET Web Applications | |
| [How to: Set a Page's Cacheability Programmatically](http://msdn.microsoft.com/en-us/library/z852zf6b(v=vs.85).aspx) | Building ASP .NET Web Applications | |
| [How to: Cache Page Output with File Dependencies](http://msdn.microsoft.com/en-us/library/67z4z916(v=vs.85).aspx) | Building ASP .NET Web Applications | |
| [How to: Cache Versions of a Page Using Requesting Browser](http://msdn.microsoft.com/en-us/library/77a0146y(v=vs.85).aspx) | Building ASP .NET Web Applications | |
| [How to: Set Expiration Values for ASP.NET Page Caching](http://msdn.microsoft.com/en-us/library/y18he7cw(v=vs.85).aspx) | Building ASP .NET Web Applications | |
| [How to: Cache Page Output with Cache Key Dependencies](http://msdn.microsoft.com/en-us/library/t1d120ks(v=vs.85).aspx) | Building ASP .NET Web Applications | |
| [How to: Retrieve Values of Cached Items](http://msdn.microsoft.com/en-us/library/xhy3h9f9(v=vs.85).aspx) | Building ASP .NET Web Applications | |
| [How to: Cache Versions of a Page Using HTTP Headers](http://msdn.microsoft.com/en-us/library/a6s4ks5w(v=vs.80).aspx) | Building ASP .NET Web Applications | |
| [How to: Set the Cacheability of an ASP.NET Page Declaratively](http://msdn.microsoft.com/en-us/library/zd1ysf1y(v=vs.80).aspx) | Building ASP .NET Web Applications | |
| [How to: Set a Page's Cacheability Programmatically](http://msdn.microsoft.com/en-us/library/z852zf6b(v=vs.80).aspx) | Building ASP .NET Web Applications | |
| [How to: Cache Page Output with File Dependencies](http://msdn.microsoft.com/en-us/library/67z4z916(v=vs.80).aspx) | Building ASP .NET Web Applications | |
| [How to: Cache Versions of a Page Using Requesting Browser](http://msdn.microsoft.com/en-us/library/77a0146y(v=vs.80).aspx) | Building ASP .NET Web Applications | |
| [How to: Set Expiration Values for ASP.NET Page Caching](http://msdn.microsoft.com/en-us/library/y18he7cw(v=vs.80).aspx) | Building ASP .NET Web Applications | |
| [How to: Cache Page Output with Cache Key Dependencies](http://msdn.microsoft.com/en-us/library/t1d120ks(v=vs.80).aspx) | Building ASP .NET Web Applications | |
| [How to: Retrieve Values of Cached Items](http://msdn.microsoft.com/en-us/library/xhy3h9f9(v=vs.80).aspx) | Building ASP .NET Web Applications | |