

StringContent Class

Reference



Definition

Namespace: [System.Net.Http](#)
Assembly: [System.Net.Http.dll](#)

Provides HTTP content based on a string.

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C#	Copy
<pre>public class StringContent : System.Net.Http.ByteArrayContent</pre>	

Inheritance [Object](#) → [HttpContent](#) → [ByteArrayContent](#) → [StringContent](#)

Constructors

StringContent(String)	Creates a new instance of the StringContent class.
StringContent(String, Encoding)	Creates a new instance of the StringContent class.
StringContent(String, Encoding, String)	Creates a new instance of the StringContent class.

Properties

Headers	Gets the HTTP content headers as defined in RFC 2616. (Inherited from HttpContent)
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Methods

CopyTo(Stream, TransportContext, CancellationToken)	Serializes the HTTP content into a stream of bytes and copies it to <code>stream</code> . (Inherited from HttpContent)
CopyToAsync(Stream)	Serialize the HTTP content into a stream of bytes and copies it to the stream object provided as the <code>stream</code> parameter. (Inherited from HttpContent)
CopyToAsync(Stream, Cancellation Token)	Serialize the HTTP content into a stream of bytes and copies it to the stream object provided as the <code>stream</code> parameter. (Inherited from HttpContent)

CopyToAsync(Stream, Transport Context)	Serialize the HTTP content into a stream of bytes and copies it to the stream object provided as the <code>stream</code> parameter. (Inherited from HttpContent)
CopyToAsync(Stream, Transport Context, CancellationToken)	Serialize the HTTP content into a stream of bytes and copies it to the stream object provided as the <code>stream</code> parameter. (Inherited from HttpContent)
CreateContentReadStream(CancellationToken)	Creates an HTTP content stream for reading. It uses the memory from the ByteArrayContent as a backing store. (Inherited from ByteArrayContent)
CreateContentReadStreamAsync()	Creates an HTTP content stream as an asynchronous operation for reading whose backing store is memory from the ByteArrayContent . (Inherited from ByteArrayContent)
CreateContentReadStreamAsync(CancellationToken)	Serializes the HTTP content to a memory stream as an asynchronous operation. (Inherited from HttpContent)
Dispose()	Releases the unmanaged resources and disposes of the managed resources used by the HttpContent . (Inherited from HttpContent)
Dispose(Boolean)	Releases the unmanaged resources used by the HttpContent and optionally disposes of the managed resources. (Inherited from HttpContent)
Equals(Object)	Determines whether the specified object is equal to the current object. (Inherited from Object)
GetHashCode()	Serves as the default hash function. (Inherited from Object)
GetType()	Gets the Type of the current instance. (Inherited from Object)
LoadIntoBufferAsync()	Serialize the HTTP content to a memory buffer as an asynchronous operation. (Inherited from HttpContent)
LoadIntoBufferAsync(Int64)	Serialize the HTTP content to a memory buffer as an asynchronous operation. (Inherited from HttpContent)
MemberwiseClone()	Creates a shallow copy of the current Object . (Inherited from Object)
ReadAsByteArrayAsync()	Serialize the HTTP content to a byte array as an asynchronous operation. (Inherited from HttpContent)
ReadAsByteArrayAsync(CancellationToken)	Serialize the HTTP content to a byte array as an asynchronous operation. (Inherited from HttpContent)
ReadAsStream()	Serializes the HTTP content and returns a stream that represents the content. (Inherited from HttpContent)
ReadAsStream(CancellationToken)	Serializes the HTTP content and returns a stream that represents the content. (Inherited from HttpContent)
ReadAsStreamAsync()	Serialize the HTTP content and return a stream that represents the content as an asynchronous operation. (Inherited from HttpContent)
ReadAsStreamAsync(CancellationToken)	Serialize the HTTP content and return a stream that represents the content as an

Token)	asynchronous operation. (Inherited from HttpContent)
ReadAsStringAsync()	Serialize the HTTP content to a string as an asynchronous operation. (Inherited from HttpContent)
ReadAsStringAsync(CancellationToken)	Serialize the HTTP content to a string as an asynchronous operation. (Inherited from HttpContent)
SerializeToStream(Stream, TransportContext, CancellationToken)	Serializes and writes the byte array provided in the constructor to an HTTP content stream. (Inherited from ByteArrayContent)
SerializeToStreamAsync(Stream, TransportContext)	Serialize and write the byte array provided in the constructor to an HTTP content stream as an asynchronous operation. (Inherited from ByteArrayContent)
SerializeToStreamAsync(Stream, TransportContext, CancellationToken)	Serialize and write the string provided in the constructor to an HTTP content stream as an asynchronous operation.
ToString()	Returns a string that represents the current object. (Inherited from Object)
TryComputeLength(Int64)	Determines whether a byte array has a valid length in bytes. (Inherited from ByteArrayContent)

Extension Methods

ReadFromJsonAsync(HttpContent, Type, JsonSerializerOptions, CancellationToken)	Reads the HTTP content and returns the value that results from deserializing the content as JSON in an asynchronous operation.
ReadFromJsonAsync(HttpContent, Type, JsonSerializerContext, CancellationToken)	Reads the HTTP content and returns the value that results from deserializing the content as JSON in an asynchronous operation.
ReadFromJsonAsync<T>(HttpContent, JsonSerializerOptions, CancellationToken)	Reads the HTTP content and returns the value that results from deserializing the content as JSON in an asynchronous operation.
ReadFromJsonAsync<T>(HttpContent, JsonTypeInfo<T>, CancellationToken)	Reads the HTTP content and returns the value that results from deserializing the content as JSON in an asynchronous operation.

Applies to

Product	Versions
.NET	Core 1.0, Core 1.1, Core 2.0, Core 2.1, Core 2.2, Core 3.0, Core 3.1, 5, 6
.NET Framework	4.5, 4.5.1, 4.5.2, 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2, 4.8
.NET Standard	1.1, 1.2, 1.3, 1.4, 1.6, 2.0, 2.1
UWP	10.0
Xamarin.iOS	10.8
Xamarin.Mac	3.0

Recommended content

HttpHeaders.Add Method (System.Net.Http.Headers)

Inserts a new header and its values into the HttpHeaders collection.

HttpContent Class (System.Net.Http)

A base class representing an HTTP entity body and content headers.

HttpResponseMessage Class (System.Net.Http)

Represents a HTTP response message including the status code and data.

StringContent Constructor (System.Net.Http)

Creates a new instance of the StringContent class.

HttpClient.PostAsync Method (System.Net.Http)

Send a POST request to the specified Uri as an asynchronous operation.

HttpResponseMessage.StatusCode Property (System.Net.Http)

Gets or sets the status code of the HTTP response.

HttpContent.ReadAsStringAsync Method (System.Net.Http)

Serialize the HTTP content to a string as an asynchronous operation.

HttpResponseMessage.Content Property (System.Net.Http)

Gets or sets the content of a HTTP response message.

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