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Download .NET

Version



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WebClient.DownloadString Method

Reference

In this article

Definition

Overloads

DownloadString(String)

DownloadString(Uri)

Definition

Namespace: System.Net

Assembly: System.Net.WebClient.dll

Downloads the requested resource as a String. The resource to download may be specified as either String containing the URI or a Uri.

Overloads

Expand table

Downloads the requested resource as a String. The resource to download is DownloadString(String) specified as a String containing the URI.

DownloadString(Uri) Downloads the requested resource as a String. The resource to download is specified as a Uri.

DownloadString(String)

Source: WebClient.cs ☑

Downloads the requested resource as a String. The resource to download is specified as a String containing the URI.

C# Copy public string DownloadString (string address);

Download PDF

Parameters

address String

A String containing the URI to download.

Returns

String

A String containing the requested resource.

Exceptions

ArgumentNullException

The address parameter is null.

WebException

The URI formed by combining BaseAddress and address is invalid.

-or-

An error occurred while downloading the resource.

NotSupportedException

The method has been called simultaneously on multiple threads.

Examples

The following code example demonstrates calling this method.

```
public static void DownloadString(string address)
{
    WebClient client = new WebClient();
    string reply = client.DownloadString(address);

    Console.WriteLine(reply);
}
```

Remarks

⊗ Caution

WebRequest, HttpWebRequest, ServicePoint, and WebClient are obsolete, and you shouldn't use them for new development. Use <u>HttpClient</u> instead.

This method retrieves the specified resource. After it downloads the resource, the method uses the encoding specified in the Encoding property to convert the resource to a String. This method blocks while downloading the resource. To download a resource and continue executing while waiting for the server's response, use one of the DownloadStringAsync methods.

If the BaseAddress property is not an empty string ("") and address does not contain an absolute URI, address must be a relative URI that is combined with BaseAddress to form the absolute URI of the requested data. If the QueryString property is not an empty string, it is appended to address.

This method uses the RETR command to download an FTP resource. For an HTTP resource, the GET method is used.

① Note

This member outputs trace information when you enable network tracing in your application. For more information, see Network Tracing in .NET Framework.

Applies to

▼ .NET 9 and other versions

Product	Versions
.NET	Core 2.0, Core 2.1, Core 2.2, Core 3.0, Core 3.1, 5, 6, 7, 8, 9
.NET Framework	2.0, 3.0, 3.5, 4.0, 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, 4.8.1
.NET Standard	2.0, 2.1

DownloadString(Uri)

Source: WebClient.cs ☑

Downloads the requested resource as a String. The resource to download is specified as a Uri.

C#

public string DownloadString (Uri address);

Parameters

address Uri

A Uri object containing the URI to download.

Returns

String

A String containing the requested resource.

Exceptions

ArgumentNullException

The address parameter is null.

WebException

The URI formed by combining BaseAddress and address is invalid.

-or-

An error occurred while downloading the resource.

NotSupportedException

The method has been called simultaneously on multiple threads.

Remarks

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.NET Standard	2.0, 2.1

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