We use optional cookies to (i) improve your experience on our websites, such as through social media connections, and to display personalized advertising based on your online activity. If you reject optional cookies, only cookies necessary to provide you the services will be used. You may change your selection by clicking "Manage Cookies" at the bottom of the page. Privacy Statement Third-Party Cookies

Accept

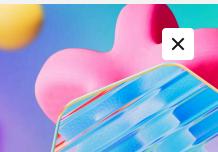
Reject

Manage cookies

Microsoft Ignite

Nov 19-22, 2024

Register now >



Language ∨





WebClient.DownloadString Method

Reference

් Feedback

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

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

```
public:
   System::String ^ DownloadString(System::String ^
address);
```

```
public string DownloadString (string address);
```

```
member this.DownloadString : string -> string
```

Public Function DownloadString (address As String) As String

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.

Not Supported Exception

The method has been called simultaneously on multiple threads.

Examples

The following code example demonstrates calling this method.

```
void DownloadString( String^ address )
{
    WebClient^ client = gcnew WebClient;
    String^ reply = client->DownloadString( address );
    Console::WriteLine( reply );
}
```

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

```
Public Shared Sub DownloadString(ByVal address As String)
   Dim client As WebClient = New WebClient()
   Dim reply As String = client.DownloadString(address)
   Console.WriteLine(reply)
End Sub
```

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

-

DownloadString(Uri)

Source: WebClient.cs 4

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

```
public:
   System::String ^ DownloadString(Uri ^ address);

public string DownloadString (Uri address);
```

```
member this.DownloadString : Uri -> string
```

```
Public Function DownloadString (address As Uri) As String
```

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

⊗ 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

 \blacksquare

Collaborate with us on GitHub

The source for this content can be found on GitHub, where you can also create and review issues and pull requests. For more information, see our contributor guide.

.NET

.NET feedback

.NET is an open source project. Select a link to provide feedback:

☼ Open a documentation issue

Provide product feedback

Senglish (United States)

✓ ✓ Your Privacy Choices

☆ Theme ∨

© Microsoft 2024