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WebClient.DownloadString Method

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[DownloadString\(String\)](#)

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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.

[NotSupportedException](#)

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 [HttpClient](#) 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.

ⓘ 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](#) [↗](#)

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

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ⓘ 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




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
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