This page is specific to

Microsoft Visual Studio 2010/.NET Framework 4

.NET Framework Class Library

**ClientScriptManager.RegisterStartupScript Method (Type, String, String, Boolean)**

Registers the startup script with the [Page](http://msdn.microsoft.com/en-us/library/system.web.ui.page.aspx) object using a type, a key, a script literal, and a Boolean value indicating whether to add script tags.

**Namespace:** [System.Web.UI](http://msdn.microsoft.com/en-us/library/system.web.ui.aspx)  
**Assembly:** System.Web (in System.Web.dll)

Description: http://i.msdn.microsoft.com/Global/Images/clear.gifSyntax

Visual Basic

Public Sub RegisterStartupScript ( \_

type As Type, \_

key As String, \_

script As String, \_

addScriptTags As Boolean \_

)

C#

public void RegisterStartupScript(

Type type,

string key,

string script,

bool addScriptTags

)

Visual C++

public:

void RegisterStartupScript(

Type^ type,

String^ key,

String^ script,

bool addScriptTags

)

F#

member RegisterStartupScript :

type:Type \*

key:string \*

script:string \*

addScriptTags:bool -> unit

**Parameters**

*type*

Type: [System.Type](http://msdn.microsoft.com/en-us/library/system.type.aspx)  
The type of the startup script to register.

*key*

Type: [System.String](http://msdn.microsoft.com/en-us/library/system.string.aspx)  
The key of the startup script to register.

*script*

Type: [System.String](http://msdn.microsoft.com/en-us/library/system.string.aspx)  
The startup script literal to register.

*addScriptTags*

Type: [System.Boolean](http://msdn.microsoft.com/en-us/library/system.boolean.aspx)  
A Boolean value indicating whether to add script tags.

Description: http://i.msdn.microsoft.com/Global/Images/clear.gifExceptions

|  |  |
| --- | --- |
| **Exception** | **Condition** |
| [ArgumentNullException](http://msdn.microsoft.com/en-us/library/system.argumentnullexception.aspx) | *type* is **nullNothingnullptr**a null reference (**Nothing** in Visual Basic). |

Description: http://i.msdn.microsoft.com/Global/Images/clear.gifRemarks

A startup script is uniquely identified by its key and its type. Scripts with the same key and type are considered duplicates. Only one script with a given type and key pair can be registered with the page. Attempting to register a script that is already registered does not create a duplicate of the script.

Call the [IsStartupScriptRegistered](http://msdn.microsoft.com/en-us/library/system.web.ui.clientscriptmanager.isstartupscriptregistered.aspx) method to determine whether a startup script with a given key and type pair is already registered and avoid unnecessarily attempting to add the script.

In this overload of the [RegisterStartupScript](http://msdn.microsoft.com/en-us/library/system.web.ui.clientscriptmanager.registerstartupscript.aspx) method, you can indicate whether the script provided in the *script* parameter is wrapped with a **<script>** element block by using the *addScriptTags* parameter. Setting *addScriptTags* to **true** indicates that script tags will be added automatically.

The script block added by the [RegisterStartupScript](http://msdn.microsoft.com/en-us/library/system.web.ui.clientscriptmanager.registerstartupscript.aspx) method executes when the page finishes loading but before the page's [OnLoad](http://msdn.microsoft.com/en-us/library/system.web.ui.control.onload.aspx) event is raised. The script blocks are not guaranteed to be output in the order they are registered. If the order of the script blocks is important, use a [StringBuilder](http://msdn.microsoft.com/en-us/library/system.text.stringbuilder.aspx) object to gather the scripts together in a single string, and then register them all in a single client script block.

Description: http://i.msdn.microsoft.com/Global/Images/clear.gifExamples

The following code example demonstrates the use of the [RegisterStartupScript](http://msdn.microsoft.com/en-us/library/system.web.ui.clientscriptmanager.registerstartupscript.aspx) method. Note that the *addScriptTags* parameter is set to **false** so the beginning and closing script tags are included with the *script* parameter.

Visual Basic

[Copy Code](javascript:CopyCode('ctl00_MTCS_main_ctl47_ctl00_ctl01_code');" \o "Copy Code)

<%@ Page Language="VB" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"

"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<script runat="server">

Protected Sub Page\_Load(ByVal sender As Object, ByVal e As System.EventArgs)

' Define the name and type of the client scripts on the page.

Dim csname1 As String = "PopupScript"

Dim csname2 As String = "ButtonClickScript"

Dim cstype As Type = Me.GetType()

' Get a ClientScriptManager reference from the Page class.

Dim cs As ClientScriptManager = Page.ClientScript

' Check to see if the startup script is already registered.

If (Not cs.IsStartupScriptRegistered(cstype, csname1)) Then

Dim cstext1 As String = "alert('Hello World');"

cs.RegisterStartupScript(cstype, csname1, cstext1, True)

End If

' Check to see if the client script is already registered.

If (Not cs.IsClientScriptBlockRegistered(cstype, csname2)) Then

Dim cstext2 As New StringBuilder()

cstext2.Append("<script type=""text/javascript""> function DoClick() {")

cstext2.Append("Form1.Message.value='Text from client script.'} </")

cstext2.Append("script>")

cs.RegisterClientScriptBlock(cstype, csname2, cstext2.ToString(), False)

End If

End Sub

</script>

<html >

<head>

<title>ClientScriptManager Example</title>

</head>

<body>

<form id="Form1"

runat="server">

<input type="text" id="Message" /> <input type="button" value="ClickMe" onclick="DoClick()" />

</form>

</body>

</html>

C#

[Copy Code](javascript:CopyCode('ctl00_MTCS_main_ctl47_ctl00_ctl02_code');" \o "Copy Code)

<%@ Page Language="C#"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"

"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<script runat="server">

public void Page\_Load(Object sender, EventArgs e)

{

// Define the name and type of the client scripts on the page.

String csname1 = "PopupScript";

String csname2 = "ButtonClickScript";

Type cstype = this.GetType();

// Get a ClientScriptManager reference from the Page class.

ClientScriptManager cs = Page.ClientScript;

// Check to see if the startup script is already registered.

if (!cs.IsStartupScriptRegistered(cstype, csname1))

{

String cstext1 = "alert('Hello World');";

cs.RegisterStartupScript(cstype, csname1, cstext1, true);

}

// Check to see if the client script is already registered.

if (!cs.IsClientScriptBlockRegistered(cstype, csname2))

{

StringBuilder cstext2 = new StringBuilder();

cstext2.Append("<script type=\"text/javascript\"> function DoClick() {");

cstext2.Append("Form1.Message.value='Text from client script.'} </");

cstext2.Append("script>");

cs.RegisterClientScriptBlock(cstype, csname2, cstext2.ToString(), false);

}

}

</script>

<html >

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