

ScriptBlock Control Overview

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The ScriptBlock Control enables you to control where, and how, JavaScript renders on a form. The control includes several properties that might affect the rendering.

The control utilizes the methods defined on [ClientScriptManager](#) and [ScriptManager](#) objects.

Default: To render JavaScript inline (no properties set)

This renders the JavaScript inline each time the page loads.

```
<%@ Control %>
```

Simple:

```
<script>
// JavaScript code
</script>
```

Force JavaScript registration

This registers the JavaScript by using *ClientScriptManager*.

```
RegisterWithScriptManager="true">
```

RegisterClientScriptBlock

It renders the JavaScript after the

tag (higher up on the page).

The following ASP.NET method is invoked: *ClientScriptManager*.

RegisterClientScriptBlock

For more information, read this [article](#).

Control how many times the JavaScript is rendered on the page

This renders the JavaScript only once, even though it appears multiple times. For example, you can use this option if the same JavaScript appears in several sub views, and you want to render it only once

```
RegistrationKey="Key1">
// JavaScript code
RegistrationKey="Key1">
```

The following ASP.NET method is invoked: *ClientScriptManager*.

RegisterClientScriptBlock

For more information, read this [article](#).

Execute the JavaScript when the page finishes loading:

```
RegistrationMode="Startup">
```

The following ASP.NET method is invoked: *ClientScriptManager*.

RegisterStartupScript

For more information, read this [article](#).

Run the JavaScript on the initial load, and on every asynchronous postback when the UpdatePanels are updated

```
EnablePartialRendering="true">
```

The following ASP.NET method is invoked: *ScriptManager*.

RegisterClientScriptBlock

For more information, read this [article](#).

Run the JavaScript on the initial load when the page finishes loading, and on every asynchronous postback when the UpdatePanels are updated

```
EnablePartialRendering="true" RegistrationMode="Startup">
```

The following ASP.NET method is invoked: *ScriptManager*.

RegisterStartupScript

For more information, read this [article](#).

Run the JavaScript on the initial load when the page finishes loading, and when UpdatePanel1 is updated

Here, the JavaScript is executed on the initial load when you click the Send1 button (but not when you click the Send2 button).

```
UpdatePanelID="UpdatePanel1">
```

```
<%= { DateTime.Now.ToString() } %>
```

```
<%= { DateTime.Now.ToString() } %>
```

The following ASP.NET method is invoked: *ScriptManager*.

RegisterClientScriptBlock

For more information, read this [article](#).