

# 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 uses 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 %>`

Sample:

```
<sq:ScriptBlock runat="server">
  <script type="text/javascript">
    alert(1);
  </script>
</sq:ScriptBlock>
```

## Force JavaScript registration

This registers the JavaScript by using *ClientScriptManager*.

```
<sq:ScriptBlock runat="server" RegisterWithScriptManager="true">
  <script type="text/javascript">
    alert(1);
  </script>
</sq:ScriptBlock>
```

## **RegisterClientScriptBlock**

It renders the JavaScript after the `<form>` 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

```
<sq:ScriptBlock runat="server" RegisterWithScriptManager="true" RegistrationKey="Key1">
  <script type="text/javascript">
    alert(1);
  </script>
<sq:ScriptBlock runat="server" RegisterWithScriptManager="true" RegistrationKey="Key1">
  <script type="text/javascript">
    alert(1);
  </script>
```

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

### ***RegisterClientScriptBlock***

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

### Execute the JavaScript when the page finishes loading:

```
<sq:ScriptBlock runat="server" RegisterWithScriptManager="true" RegistrationMode="Startup">
  <script type="text/javascript">
    alert(1);
  </script>
</sq:ScriptBlock>
```

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

```
<sq:ScriptBlock runat="server" RegisterWithScriptManager="true" EnablePartialRendering="true">
  <script type="text/javascript">
    alert(1);
  </script>
</sq:ScriptBlock>
```

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

```
<sq:ScriptBlock runat="server" RegisterWithScriptManager="true" EnablePartialRendering="true" RegistrationMode="Startup">
  <script type="text/javascript">
    alert(1);
  </script>
</sq:ScriptBlock>
```

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).

```
<sq:ScriptBlock runat="server" RegisterWithScriptManager="true" EnablePartialRendering="true" UpdatePanelID="UpdatePanel1">
  <script type="text/javascript">
    alert(1);
  </script>
</sq:ScriptBlock>
<asp:UpdatePanel runat="server" ID="UpdatePanel1" UpdateMode="Conditional">
  <ContentTemplate>
    <%= { DateTime.Now.ToString() } %>
    <sq:Button runat="server" Text="Send1" />
  </ContentTemplate>
</asp:UpdatePanel>
<asp:UpdatePanel runat="server" ID="UpdatePanel2" UpdateMode="Conditional">
  <ContentTemplate>
    <%= { DateTime.Now.ToString() } %>
    <sq:Button runat="server" Text="Send2" />
  </ContentTemplate>
</asp:UpdatePanel>
```

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

### **RegisterClientScriptBlock**

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