Control.SuspendLayout Method

.NET Framework 4.5 | 1 out of 1 rated this helpful

Temporarily suspends the layout logic for the control.

Namespace: System.Windows.Forms
Assembly: System.Windows.Forms (in System.Windows.Forms.dll)

◢ Syntax

VB

```vb
'Declaration
Public Sub SuspendLayout
```

◢ Remarks

The layout logic of the control is suspended until the ResumeLayout method is called.

The SuspendLayout and ResumeLayout methods are used in tandem to suppress multiple Layout events while you adjust multiple attributes of the control. For example, you would typically call the SuspendLayout method, then set the Size, Location, Anchor, or Dock properties of the control, and then call the ResumeLayout method to enable the changes to take effect.

There must be no pending calls to SuspendLayout for ResumeLayout to be successfully called.

> ✎ **Note**
>
> When adding several controls to a parent control, it is recommended that you call the SuspendLayout method before initializing the controls to be added. After adding the controls to the parent control, call the ResumeLayout method. This will increase the performance of applications with many controls.

◢ Examples

The following code example adds two buttons to a form. The example transactions the addition of the buttons by using the SuspendLayout and ResumeLayout methods.

VB

```vb
Private Sub AddButtons()
    ' Suspend the form layout and add two buttons.
    Me.SuspendLayout()
    Dim buttonOK As New Button()
    buttonOK.Location = New Point(10, 10)
    buttonOK.Size = New Size(75, 25)
    buttonOK.Text = "OK"

    Dim buttonCancel As New Button()
```

```
        buttonCancel.Location = New Point(90, 10)
        buttonCancel.Size = New Size(75, 25)
        buttonCancel.Text = "Cancel"

        Me.Controls.AddRange(New Control() {buttonOK, buttonCancel})
        Me.ResumeLayout()
    End Sub
```

Version Information

.NET Framework
Supported in: 4.5, 4, 3.5, 3.0, 2.0, 1.1, 1.0
.NET Framework Client Profile
Supported in: 4, 3.5 SP1

Platforms

Windows 8, Windows Server 2012, Windows 7, Windows Vista SP2, Windows Server 2008 (Server Core Role not supported), Windows Server 2008 R2 (Server Core Role supported with SP1 or later; Itanium not supported)

The .NET Framework does not support all versions of every platform. For a list of the supported versions, see .NET Framework System Requirements.

See Also

Reference
Control Class
System.Windows.Forms Namespace
ResumeLayout
LayoutEngine
Layout
PerformLayout
SuspendLayout
InitLayout