

## Re: Inheriting from the TreeNode class

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*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet.webcontrols/2006-01/msg003>

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- *From:* [stcheng@xxxxxxxxxxxxxxxxxxxxxx](mailto:stcheng@xxxxxxxxxxxxxxxxxxxxxx) (Steven Cheng[MSFT])
  - *Date:* Mon, 23 Jan 2006 14:49:07 GMT
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Hey Alex,

Thanks for your response.

I've reviewed the code and performed some further tests. I think the cause of the TreeNode not expand behavior is the "OnTreeNodeExpanded" event, we must have an eventhandler for this event, otherwise, the TreeNode won't be able to expand even if we configure PopulateOnDemand for treeNode and registered the TreeNodePopulated event handler...

Also, this is the TreeView's default behavior , not specific to our custom TreeView implementation...

Thanks,

Steven Cheng  
Microsoft Online Support

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| From: "Alexander Walker" <[alex@xxxxxxxxxxxxxxxxxx](mailto:alex@xxxxxxxxxxxxxxxxxx)>  
| References: <[#7WFWGZGGHA.3100@xxxxxxxxxxxxxxxxxxxxxx](mailto:#7WFWGZGGHA.3100@xxxxxxxxxxxxxxxxxxxxxx)>  
| <[CSxlZblGGHA.3944@xxxxxxxxxxxxxxxxxxxxxx](mailto:CSxlZblGGHA.3944@xxxxxxxxxxxxxxxxxxxxxx)>  
| <[uM#Je5HHGHA.140@xxxxxxxxxxxxxxxxxxxxxx](mailto:uM#Je5HHGHA.140@xxxxxxxxxxxxxxxxxxxxxx)>  
| <[Ign3#IKHGHA.3152@xxxxxxxxxxxxxxxxxxxxxx](mailto:Ign3#IKHGHA.3152@xxxxxxxxxxxxxxxxxxxxxx)>  
| <[O6OxfzfHGHA.3728@xxxxxxxxxxxxxxxxxxxxxx](mailto:O6OxfzfHGHA.3728@xxxxxxxxxxxxxxxxxxxxxx)>  
| Subject: Re: Inheriting from the TreeNode class  
| Date: Fri, 20 Jan 2006 20:13:33 -0000  
| Lines: 127  
| X-Priority: 3  
| X-MSMail-Priority: Normal  
| X-Newsreader: Microsoft Outlook Express 6.00.2900.2180  
| X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2180  
| Message-ID: <[eZBr\\$3fHGHA.532@xxxxxxxxxxxxxxxxxxxxxx](mailto:eZBr$3fHGHA.532@xxxxxxxxxxxxxxxxxxxxxx)>  
| Newsgroups: microsoft.public.dotnet.framework.aspnet.webcontrols

## Re: Inheriting from the TreeNode class

| NNTP-Posting-Host: 81-6-217-221.gotadsl.co.uk 81.6.217.221  
| Path: TK2MSFTNGXA02.phx.gbl!TK2MSFTNGP08.phx.gbl!TK2MSFTNGP15.phx.gbl  
| Xref: TK2MSFTNGXA02.phx.gbl  
microsoft.public.dotnet.framework.aspnet.webcontrols:32692  
| X-Tomcat-NG: microsoft.public.dotnet.framework.aspnet.webcontrols

| I forgot to mention that I also set the PopulateOnDemand property of the nodes

| to true and the ExpandDepth to 2

| To avoid any confusion I will include the source here

```
| =====aspx=====
|
| <% @ Page Language="C#" AutoEventWireup="true"
CodeFile="CustTreeView.aspx.cs"
| Inherits="CustTreeView" %>
|
| <% @ Register Assembly="WebControlLib" Namespace="WebControlLib"
TagPrefix="cc1"
| %>
| <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
| "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
| <html xmlns="http://www.w3.org/1999/xhtml">
| <head id="Head1" runat="server">
| <title>Untitled Page</title>
| </head>
| <body>
| <form id="form1" runat="server">
| <div>
| <cc1:CustomTreeView ID="CustomTreeView1" runat="server"
| ExpandDepth="2"
| OnSelectedNodeChanged="CustomTreeView1_SelectedNodeChanged"
| EnableClientScript="true"
| OnTreeNodePopulate="CustomTreeView1_TreeNodePopulate">
| <nodes>
|
| <cc1:CustomTreeNode Text="Node1" Value="Node1"
| SelectAction="SelectExpand" >
| <cc1:CustomTreeNode Text="Node11" Value="Node11"
| SelectAction="SelectExpand" ></cc1:CustomTreeNode>
| <cc1:CustomTreeNode Text="Node12"
| Value="Node12"></cc1:CustomTreeNode>
| <cc1:CustomTreeNode Text="Node13"
| Value="Node13"></cc1:CustomTreeNode>
| </cc1:CustomTreeNode>
| <cc1:CustomTreeNode Text="Node2" Value="Node2">
| <cc1:CustomTreeNode Text="Node21" Value="Node21"
| PopulateOnDemand="True" CustomInt="0" ></cc1:CustomTreeNode>
| <cc1:CustomTreeNode Text="Node22" Value="Node22"
| PopulateOnDemand="True" CustomInt="1"></cc1:CustomTreeNode>
```

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```
|</cc1:CustomTreeNode>
|</nodes>
|</cc1:CustomTreeView>
|</div>
|</form>
|</body>
|</html>
|
|=====code behind=====
|using System;
|using System.Data;
|using System.Configuration;
|using System.Collections;
|using System.Web;
|using System.Web.Security;
|using System.Web.UI;
|using System.Web.UI.WebControls;
|using System.Web.UI.WebControls.WebParts;
|using System.Web.UI.HtmlControls;
|
|public partial class CustTreeView : System.Web.UI.Page
|{
|protected void Page_Load(object sender, EventArgs e)
|{
|
|
|}
|
|protected void CustomTreeView1_SelectedNodeChanged(object sender,
|EventArgs
|e)
|{
|Response.Write("<br/>CustomTreeView1_SelectedNodeChanged ");
|WebControlLib.CustomTreeNode cn = CustomTreeView1.SelectedNode as
|WebControlLib.CustomTreeNode;
|Response.Write("<br/>Node.CustomInt: " + cn.CustomInt);
|Response.Write("<br/>Node.CustomInt: " + cn.CustomInt);
|}
|
|protected void CustomTreeView1_TreeNodePopulate(object
|sender,TreeNodeEventArgs e)
|{
|Response.Write("<br/>CustomTreeView1_TreeNodePopulate ");
|WebControlLib.CustomTreeNode cn = e.Node as
|WebControlLib.CustomTreeNode;
|Response.Write("<br/>Node.CustomInt: " + cn.CustomInt);
|//Response.Write("<br/>Node.CustomInt2: " + cn.CustomInt2);
|//Response.Write("<br/>Node.CustomInt3: " + cn.CustomInt3);
|//Response.Write("<br/>Node.CustomInt4: " + cn.CustomInt4);
|
|for (int i = 0; i < 5; i++)
|{
```

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| WebControlLib.CustomTreeNode ncn = new  
| WebControlLib.CustomTreeNode();  
| ncn.Text = "New Child Node " + i;  
| ncn.Value = i.ToString();  
| ncn.PopulateOnDemand = true;  
| ncn.CustomInt = i;  
|  
| cn.ChildNodes.Add(ncn);  
|}  
|}  
|}  
|  
|  
| Thanks again  
|  
| Alex  
|  
| "Alexander Walker" <alex@xxxxxxxxxxxxxxxx> wrote in message  
| news:O6OxfzfHGHA.3728@xxxxxxxxxxxxxxxxxxxxxxxxxxxx  
| Hello Steve  
|  
| Thank you for your response  
|  
| I built your example and it worked. I altered it slightly so that it  
was more  
| like the implementation I have in my application and it stopped working.  
| Specifically the nodes did not expand any more. I removed the  
| OnTreeNodeExpanded  
| event and set the EnableClientScript property to true on the aspx page.  
if you  
| try this, I think that you will get the same behaviour that I  
described in my  
| previous message  
|  
| Thanks  
|  
| Alex  
|  
|  
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- **References:**
    - ◆ **Inheriting from the TreeNode class**
      - ◇ From: Alexander Walker
    - ◆ **RE: Inheriting from the TreeNode class**
      - ◇ From: Steven Cheng[MSFT]

Re: Inheriting from the TreeNode class

- ◆ ***Re: Inheriting from the TreeNode class***
    - ◇ *From: Alexander Walker*
  - ◆ ***Re: Inheriting from the TreeNode class***
    - ◇ *From: Steven Cheng[MSFT]*
  - ◆ ***Re: Inheriting from the TreeNode class***
    - ◇ *From: Alexander Walker*
  - ◆ ***Re: Inheriting from the TreeNode class***
    - ◇ *From: Alexander Walker*
- 
- Prev by Date: *Re: DynamicMenuItemStyle override style (cursor:text)*
  - Next by Date: *RE: ITemplate – Dynamic ImageButton in BindLabelColumn for DataLis*
  - Previous by thread: *Re: Inheriting from the TreeNode class*
  - Next by thread: *FormView – Single Record edit*
  - Index(es):
    - ◆ *Date*
    - ◆ *Thread*