

Re: Retrive User Control from Cache

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2006-11/msg00189.html>

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 - *Date:* Wed, 1 Nov 2006 06:15:01 -0800
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If the object is serializable, you should be able to store it in Cache, Session, Application state, etc.

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Co-founder, Eggheadcafe.com developer portal:

<http://www.eggheadcafe.com>

UnBlog:

<http://petesbloggerama.blogspot.com>

"poolieweb@xxxxxxxxxxx" wrote:

Thanks Peter I'll use the session id.

Going to have to think about the menu a little more. as the datasource is more complicated than just dataset. Ideally I would store an items collection for the menu but have not found the methods to do this. Would this not be working due the complexity of the object ?

Peter wrote:

You have a couple of issues that could be improved:

- 1) use a simpler key for the Cache item – say, the SessionId, which should not change during the user's session.
- 2) instead of caching the entire MenuControl, cache only the datasource, and use that to rebuild your menu.

Peter

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UnBlog:
<http://petesbloggerama.blogspot.com>

"poolieweb@xxxxxxxxxxxx" wrote:

I have created a custom user control which creates a ASPxMenu (Same fuction as standard menu control) from data retreved from a webservice (Reporting Services) which deals with user access. This process is slow. And as the menu object will not change in a session I am trying to cache the menu with the session user as the key. The problem is that I can not retreive the menu object after the first request. The menu items are resident in the cahce but can not display the menu. Can any one help? probibly be a simple ansewer , syntax maybe.

sudo code:

```
if cache is emtpy then
  populate menu
else
  menu = cache
```

Full Code: custom control ascx file

```
Imports DevExpress.Web.ASPxMenu
Imports System.Web.UI
```

```
Partial Class WebUserControl
  Inherits System.Web.UI.UserControl
```

```
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load
```

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```
If  
Cache(System.Net.CredentialCache.DefaultNetworkCredentials.ToString)  
Is  
Nothing Then
```

```
'Dim ASPxMenu1 As ASPxMenu = MENU
```

```
Dim service As aureports.ReportingService = New  
aureports.ReportingService
```

```
service.Url =  
"http://localhost/reportserver/reportservice.aspx"  
'Me.service.Credentials =  
System.Net.CredentialCache.DefaultNetworkCredentials  
service.Credentials = New  
System.Net.NetworkCredential("test", "test")
```

```
ASPxMenu1.Items.Clear()  
ASPxMenu1.Items.Add("Reports")  
ASPxMenu1.Items.Add("Services")  
ASPxMenu1.Items.Add("Links")  
ASPxMenu1.Items.Add("Help")
```

```
Dim items() As aureports.CatalogItem =  
service.ListChildren("/", False)  
'Ask how to sort the catalogitem list  
For Each item As aureports.CatalogItem In items
```

```
If item.Type = aureports.ItemTypeEnum.Folder And Not  
(item.Name Like "* .aspx") Then
```

```
Dim mitem As New  
DevExpress.Web.ASPxMenu.MenuItem(item.Name,  
item.Path)
```

```
ASPxMenu1.Items.Item(ASPxMenu1.Items.IndexOfText("Reports")).Items.Add(mitem)  
folder(item, mitem, service)
```

```
ElseIf item.Type = aureports.ItemTypeEnum.Report And  
Not (item.Name Like "* .aspx") And item.Hidden = False  
Then
```

```
Dim mitem As New  
DevExpress.Web.ASPxMenu.MenuItem(item.Name)
```

```
ASPxMenu1.Items.Item(ASPxMenu1.Items.IndexOfText("Reports")).Items.Add(mitem)
```

```
ElseIf item.Type = aureports.ItemTypeEnum.Folder And  
item.Name Like "* .aspx" Then
```

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```
Dim words() As String = Split(item.Name, " aspx")  
Dim mitem As New  
DevExpress.Web.ASPxMenu.MenuItem(words(0))  
  
ASPxMenu1.Items.Item(ASPxMenu1.Items.IndexOfText("Services")).Items.Add(mitem)  
folder(item, mitem, service)  
  
End If  
  
Next  
  
Cache.Insert(System.Net.CredentialCache.DefaultNetworkCredentials.ToString,  
ASPxMenu1)  
Else  
  
ASPxMenu1 =  
(CType(Cache.Get(System.Net.CredentialCache.DefaultNetworkCredentials.ToString),  
ASPxMenu))  
  
End If  
End Sub  
  
Public Shared Sub folder(ByVal item As  
aureports.CatalogItem, ByVal  
menu As DevExpress.Web.ASPxMenu.MenuItem, ByVal  
service As  
aureports.ReportingService)  
  
Dim items() As aureports.CatalogItem =  
service.ListChildren(item.Path, False)  
  
For Each item2 As aureports.CatalogItem In items  
Dim words() As String  
words = Split(item2.Name, " aspx")  
  
Dim itmMenuItem2 As New  
DevExpress.Web.ASPxMenu.MenuItem(words(0), "", "",  
item2.Description)  
  
If item2.Type = aureports.ItemTypeEnum.Folder Then  
menu.Items.Add(itmMenuItem2)  
folder(item2, itmMenuItem2, service)  
ElseIf item2.Type = aureports.ItemTypeEnum.Report And  
item2.Hidden = False Then  
menu.Items.Add(itmMenuItem2)  
ElseIf words.Length > 1 Then  
menu.Items.Add(itmMenuItem2)  
End If
```

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Next

End Sub

End Class