

RE: cookieless session, "~" operator and client-side caching problems

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<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2008-02/msg01306.html>

- *From:* stcheng@xxxxxxxxxxxxxxxxxxxxxx ("Steven Cheng")
 - *Date:* Mon, 18 Feb 2008 00:49:23 GMT
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Hi Tomasz,

As for the Session State, if you're using cookieless mode, the id is necessary and url is the only place we can hold it. Yes, you're right that the client caching may be affected due to the changable sessionID. However, as long as the user session not expire, the sessionID should remain the same value and the page will be cached at client-side during that period.

For the following things you mentioned:

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I think the best solution is to convert the "~" app-rooted path to a website-rooted path, but without the session id part. Are there any simple/standard solutions, besides resorting to Regex?
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what's the exact problem you want to address by converting the "~" path? As far as I know, all the server-side controls(markup) can interpret this path correctly. For website based path, if your application's physical path(from site root) will not quite change, you can use "/xxxx" like path which is based from IIS site.

Sincerely,

Steven Cheng

Microsoft MSDN Online Support Lead

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From: "Tomasz J" <oegweb@xxxxxxxxxxxxxx>
Subject: cookieless session, "~" operator and client-side caching problems
Date: Sat, 16 Feb 2008 13:31:06 +0100

Hello developers,

My custom control allows for specifying paths to images it uses.
In those paths I want to be able to use the "~" app root operator, so my

app

works correctly with virtual paths.

So, rendering the control I have to convert the "~" app-rooted paths to a website-rooted paths using `WebControl.ResolveUrl()` or a similar method.

And here is the problem:
If cookieless sessions are used, paths resolved in such way include

session

ids, like (S(prfybe55sw30b155y4w22pfp) as a part of the client-visible path.

As a result client browser is unable to effectively cache images – every time new session is created images are being downloaded over and over again – because their observed paths change.

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Thanks for any hints and/or comments,

Tomasz