

## Re: Request Cookies right after they're being Set

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CDARS wrote:

> *Dear all,*  
>  
> *So I understand that when I call*  
>  
>> *response.cookies("test") = now*  
>  
> *the response object is updated. BUT NOT the request object.*  
> *I really really want to know:*  
>  
> *1) Why it seems to me that in ASP3.0, when I update response object,*  
> *the request object is updated automatically? As I said in the first*  
> *post, a very similar ASP3.0 code will always print two different*  
> *dates.*

Don't assume that both frameworks use the same implementation. Granted, the ASP.NET behaviour is outright bizarre.

> *2) Why for ASP.NET the FIRST post can give two different dates? If*  
> *response and request objects are separated, I would expect two empty*  
> *string from the 1st load...*

OK, after digging through the implementation, here's the answer:

When accessing `HttpRequest.Cookies` for the first time, it actually copies all cookies from `HttpResponse.Cookies`. I have no freaking clue what that is good for (or is it just plain wrong?). It makes no sense to me at all.

Anyway, this is what happens:

```
Response.Cookies("test").Value = Now
```

```
' Creates a new cookie "test" with value DateTime.Now
```

```
Response.Write(Request.Cookies("test").Value)
```

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```
' 1st request: Creates a new cookie collection for HttpRequest, and copies  
all response  
' cookies to it, prints out DateTime.Now  
' 2nd+ request: Gets cookie "test" from request, prints out value stored in  
cookie, which  
' is DateTime plus 10 days
```

```
Response.Write("<hr>")
```

```
Response.Cookies("test").Value = Now.AddDays(10)
```

```
' Changes value for test cookie, which is contained in both collections
```

```
Response.Write(Request.Cookies("test").Value)
```

```
' Prints out prints out value stored in cookie "test", which  
' is DateTime plus 10 days
```

```
> 3) I am actually re-writing a ASP3.0 web app with ASP.NET. The old  
> code very often set cookies by response and get the value ALWAYS with  
> Request in the same page (or even just in the next line). How should I  
> put it in ASP.NET?
```

Don't create cookies in Response.Cookies before accessing Request.Cookies.  
This will prevent this strange copying behaviour.

```
> 4) Any more funny changes on playing with ASP.NET Cookies?
```

Hopefully not...

Cheers,

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