

## Re: ViewState Question

**Source:**

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet.buildingcontrols/2004-03/009>

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here's a simple example control that has a custom style.

```
public class MyControl : WebControl {

    private Style otherStyle;

    [
    DesignerSerializationVisibility( DesignerSerializationVisibility.Content ),
    NotifyParentProperty( true ),
    PersistenceMode( PersistenceMode.InnerProperty ),
    ]
    public Style OtherStyle {
        get {
            if ( otherStyle == null ) {
                otherStyle = new Style();
                if ( IsTrackingViewState ) {
                    ((IStateManager)otherStyle).TrackViewState();
                }
            }
            return otherStyle;
        }
    }

    protected override void LoadViewState( Object savedState ) {
        if ( savedState = null ) {
            base.LoadViewState( null );
            return;
        }

        Object[] myState = (Object[])savedState;
        if ( myState.Length != 2 ) {
            throw new ArgumentException("Invalid ViewState");
        }

        base.LoadViewState( myState[0] );
    }
}
```

```
if ( myState[1] != null ) {  
    ((StateManager)OtherStyle).LoadViewState( myState[1] );  
}  
}
```

```
protected override Object SaveViewState() {  
    Object[] myState = new Object[2];  
    myState[0] = base.SaveViewState();  
    myState[1] = ( otherStyle != null ) ?  
    ((StateManager)otherStyle).SaveViewState() : null;  
    for ( int i = 0; i < 2; i++ ) {  
        if ( myState[i] != null ) {  
            return myState;  
        }  
    }  
    return null;  
}
```

```
protected override void TrackViewState() {  
    base.TrackViewState();  
    if ( otherStyle != null ) {  
        ((StateManager)otherStyle).TrackViewState();  
    }  
}
```

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Andy Smith

"Mark Olbert" <mark@arcabama.com> wrote in message  
news:cais40d26khjkoah3dgpnc1sfhaf521f7q@4ax.com...

> Okay, I give up... how do you get a customized descendant of Style to  
persist through ViewState??? I  
> tried following the online docs, but I'm obviously doing something wrong.  
Here're the overrides I  
> created in my WebControl class:  
>  
> protected override object SaveViewState()  
> {  
> object baseState = base.SaveViewState();  
> object closedStyleState = (closedStyle != null) ? ((StateManager)  
> closedStyle).SaveViewState() : null;  
> object[] state = new object[2];  
> state[0] = baseState;  
> state[1] = closedStyleState;  
>  
> return state;  
> }  
>  
> protected override void LoadViewState( object savedState )

```
> {
> if( savedState != null )
> {
> object[] state = (object[]) savedState;
> if( state[0] != null ) base.LoadViewState(state[0]);
> if( state[1] != null ) ((IStateManager)
closedStyle).LoadViewState(state[1]);
> }
> }
>
> protected override void TrackViewState()
> {
> base.TrackViewState();
> if( closedStyle != null ) ((IStateManager) closedStyle).TrackViewState();
> }
>
> When I break on the debugger in SaveViewState(), the closedStyle property
(which is a grandchild of
> Style) shows that it's been initialized (i.e., the BackColor is set to
Red, as per my test webpage).
>
> But the line that should be creating closedStyleState just returns...
null.
>
> Suggestions?
>
> - Mark
```