



ALLAN THRAEN | 16 years ago | PDF |

SHOW PUBLISHED PAGES (VERSIONS) IN A SPECIFIC TIME SPAN



Since I'm still trying to learn my way around EPiServer I grab whatever chance I get of coding something a bit out of the ordinary, and today was no different. At a Developer Course I was attending, the need came up for a page that would list all the versions of all the pages on a given EPiServer CMS 5 web site, published within 2 specific dates - and just for the fun and the exercise I coded this little sample.

The Code-Behind for this page is pretty simple: It recursively goes through the site and builds a list of PageVersion objects (from the EPiServer.DataAbstraction namespace) whenever it comes across a version of a page that is published in the time period given as input (in this sample it's hardcoded - but that could easily be changed).

```
public partial class VersionList : EPiServer.TemplatePage
{
    private List<PageVersion> ValidPages = new List<PageVersion>();

    private void FindVersions(PageReference startpage, DateTime start, DateTime stop)
    {
        //Get all the versions of the page we are currently examining
        PageVersionCollection pvc = EPiServer.DataAbstraction.PageVersion.List(startpage);
        foreach (PageVersion pv in pvc)
        {
            if ((pv.Status == VersionStatus.PreviouslyPublished) || (pv.Status == VersionStatus.Published))
            {
                //We now have a version that has been published
                DateTime pub = pv.Saved;
                //It's safe to assume the Saved property holds the publish-time, since any later save will overwrite it
                if ((pub >= start) && (pub <= stop))
                {
                    ValidPages.Add(pv);
                }
            }
        }
        //Recursive through childpages
        foreach (PageData pd in GetChildren(startpage))
        {
            FindVersions(pd.PageLink, start, stop);
        }
    }

    protected void Page_Load(object sender, EventArgs e)
    {
        //Loop through all pages, find pages published within a time period
        FindVersions(PageReference.StartPage, new DateTime(2007, 1, 1), new DateTime(2007, 12, 1));

        //And databind to a Repeater control
        PageList1.DataSource = ValidPages;
        PageList1.DataBind();
    }
}
```

You may wonder: "Why is he doing this recursively when he just as easily could have retrieved a list of all pages and done it iteratively?"

- "Well, it's elementary my dear Watson. Recursive programming is always more fun."

In the ASPX I just put a couple of lines to output the versions:

```
<%@ Page Language="c#" Inherits="KnowledgeWeb.VersionList" Codebehind="VersionList.aspx.cs"
    MasterPageFile="~/Templates/MasterPages/KnowledgeMaster.Master" %>

<%@ Register Assembly="EPiServer.Web.WebControls, Version=5.1.422.4, Culture=neutral, PublicKeyToken=8
    Namespace="EPiServer.Web.WebControls" TagPrefix="EPiServer" %>
<asp:Content runat="server" ContentPlaceHolderID="LeftAndMiddleSection">
    <asp:Repeater ID="PageList1" runat="server">
        <ItemTemplate>
            <p>
                <%=# (Container.DataItem as EPiServer.DataAbstraction.PageVersion).Saved.ToShortDateString() %>
                ,
                <%=# (Container.DataItem as EPiServer.DataAbstraction.PageVersion).Name %>
                , Language:
                <%=# (Container.DataItem as EPiServer.DataAbstraction.PageVersion).LanguageBranch %>
                , ID:
                <%=# (Container.DataItem as EPiServer.DataAbstraction.PageVersion).ID %>
            </p>
        </ItemTemplate>
    </asp:Repeater>
```

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