

The TemplateDataPager control provides a pager with a customizable format. You can use the TemplateDataPager with the following controls:

- [CMSDataList](#)
- [CMSRepeater](#)
- [CMSSearchResults](#)
- [QueryDataList](#)
- [QueryRepeater](#)

The TemplateDataPager automatically renders the list of numbers, but you need to write the code that binds the pager to the control that displays the data.



**Note:** If possible, it is recommended to use the newer [UniPager](#) control instead. The UniPager also supports format customization and is much easier to use.

## Getting started

The following is a step-by-step tutorial that shows how to use the TemplateDataPager control with a CMSRepeater control that displays Smartphones (CMS.Smartphone pages):

1. Create a new **Web form** somewhere in your web project.
2. Add the following code to the page, inside the `<form>` element:



```

<asp:ScriptManager ID="manScript" runat="server" ScriptMode="Release"
EnableViewState="false" />

<table style="border: solid 1px #CCCCCC; margin-left: auto; margin-right: auto;">
  <tr>
    <td style="border-bottom: solid 1px #CCCCCC; padding: 10px; text-align:
center;">
      <cms:CMSRepeater ID="CMSRepeater1" runat="server" Path="/%" ClassNames="
CMS.Smartphone" TransformationName="CorporateSite.Transformations.ProductList" />
    </td>
  </tr>
  <tr>
    <td style="padding: 10px; background-color: #D9D9D9;">
      <cms:TemplateDataPager ID="TemplateDataPager1" runat="server">
        <NumberTemplate>
          <a href="?Page=<## Eval( "PageNumber" ) %>">
            <## Eval( "PageNumber" ) %>
          </a>
        </NumberTemplate>
        <SelectedNumberTemplate>
          <b>
            <## Eval( "PageNumber" ) %>
          </b>
        </SelectedNumberTemplate>
        <SeparatorTemplate>
          -
        </SeparatorTemplate>
        <FirstItemTemplate>
          <a href="?Page=1">First</a>&nbsp;|&nbsp;
        </FirstItemTemplate>
        <LastItemTemplate>
          &nbsp;|&nbsp;<a href="?Page=<## pageCount %>">Last</a>
        </LastItemTemplate>
        <PreviousItemTemplate>
          <a href="?Page=<## previousPage %>">Previous</a> &nbsp;|&nbsp;
        </PreviousItemTemplate>
        <NextItemTemplate>
          &nbsp;|&nbsp;<a href="?Page=<## nextPage %>">Next</a>
        </NextItemTemplate>
      </cms:TemplateDataPager>
    </td>
  </tr>
</table>

```



The web form uses a standard CMSRepeater control to display data. The pager format is specified using the templates defined between the tags of the `<cms: TemplateDataPager>` element.

The **ScriptManager** control included at the top is required by the [transformation](#) used to display smartphone pages. It is only there to ensure that the web form is functional as a standalone example. Typically, the *ScriptManager* is included on the website's master page.

3. Edit the web form's code behind according to the following (the class name and type may be different):



```
using CMS.Helpers;

public partial class CMSControlsExamples_TemplateDataPager : System.Web.UI.Page
{
    public string pageCount = "1";
    public string previousPage = "1";
    public string nextPage = "";

    protected void Page_Load(object sender, EventArgs e)
    {
        // Gets the repeater's data source
        TemplateDataPager1.DataSource = CMSRepeater1.DataSource;

        // Sets the page size
        TemplateDataPager1.PageSize = 1;

        // Loads the current page number from the URL query string
        TemplateDataPager1.CurrentPage = ValidationHelper.GetInteger(Request.
QueryString["Page"], 1);

        // Gets the page number for the last link
        pageCount = ((int)(TemplateDataPager1.PageCount - 1)).ToString();

        // Sets the default next page link
        nextPage = pageCount;

        // Sets the previous link
        if ((TemplateDataPager1.CurrentPage - 1) >= 1)
        {
            previousPage = ((int)(TemplateDataPager1.CurrentPage - 1)).ToString();
        }

        // Sets the next link
        if ((TemplateDataPager1.CurrentPage + 1) <= (TemplateDataPager1.PageCount
- 1))
        {
            nextPage = ((int)(TemplateDataPager1.CurrentPage + 1)).ToString();
        }

        // Assigns the paged datasource to the repeater and binds it
        CMSRepeater1.DataSource = TemplateDataPager1.PagedData;
        if (!DataHelper.DataSourceIsEmpty(CMSRepeater1.DataSource))
        {
            CMSRepeater1.DataBind();
        }
    }
}
```

4. Save the web form.
5. Right-click the web form in the Solution explorer and select **View in Browser**.

The control displays a customized pager:



## Configuration

You can set the following properties for the TemplateDataPager control:

Common pager control properties	Description
CurrentPage	The current page number.
MaxPages	Maximum number of pages that the control displays.
PageCount	The current number of pages (read only).
PageSize	The number of displayed items per page.

TemplateDataPager properties	Description	Sample value
DataSource	Can be used to access the object of the pager's data source.	
NumberRepeater	Gets the repeater control used to display page numbers.	
PagedData	Gets the data to be paged.	
PagerPosition	The position of the pager relative to the paged data.	"Bottom" "Top" "TopAndBottom"
PagingMode	Determines the type of the used paging parameter. It can either be passed through the URL (QueryString) or through postback (PostBack).	"PostBack" "QueryString"
RecordEnd	Index of the last record on the current page.	
RecordStart	Index of the first record on the current page.	
TotalRecords	Total amount of data source records.	

## Appearance and styling

The appearance of the TemplateDataPager control is determined by the code of its item templates. You can define the following templates:

Template name	Description	Sample value
FirstItemTemplate	Template used for the link to the first page in the pager.	<pre>&lt;a href="? Page=1" &gt;First&lt; /a&gt;&amp;nbsp; ;  &amp;nbsp;</pre>
LastItemTemplate	Template used for the link to the last page in the pager.	<pre>&amp;nbsp;  &amp;nbsp; &lt;a href="? Page=&lt;% # pageCoun t %&gt;" &gt;Last&lt; /a&gt;</pre>
NextItemTemplate	Template used for the link to the next page.	<pre>&amp;nbsp;  &amp;nbsp; &lt;a href="? Page=&lt;% # nextPage %&gt;" &gt;Next&lt; /a&gt;</pre>
NumberTemplate	<p>Template used for page links in the pager.</p> <p>Use &lt;%# Eval("PageNumber") %&gt; to get the current page number.</p>	<pre>&lt;a href="? Page=&lt;% # Eval ( "PageNu mber" ) % &gt;"&gt; &lt;%# Eval ( "PageNu mber" ) % &gt; &lt;/a&gt;</pre>

PreviousitemTemplate	Template used for the link to the previous page.	<pre> &lt;a href="? Page=&lt;% # previous Page %&gt;" &gt;Previous s&lt;/a&gt; &amp;nbsp;  &amp;nbsp; </pre>
SelectedNumberTemplate	Template used for the number of the currently selected page.	<pre> &lt;b&gt; &lt;%# Eval ( "PageNu mber" ) % &gt; &lt;/b&gt; </pre>
SeparatorTemplate	Template used for the separator between page links in the pager.	<pre> - </pre>