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FILE SELECTION DROP DOWN LIST



I just got a request for a code-sample on how to display a list of files from the unified file system in a drop-down list in EPiServer CMS 5, so I composed a small example (thanks for your kind help, Ruwen!).

First I define the drop-down-list - this part is easy (and boring):

```
<asp:DropDownList runat="server" ID="DDL1" AutoPostBack="true"
OnSelectedIndexChanged="DDL1_SelectedIndexChanged" />
```

When a user selects a file, I want his download to start immediately - so I set the event "OnSelectedIndexChanged" and turn on auto postback. In my code-behind I make sure to include a **Using EPiServer.Web.Hosting**; cause all that's the namespace where all the fun stuff is.

Here is my code-behind:

```
protected void Page_Load(object sender, EventArgs e)
{
    if (!IsPostBack)
    {
        //Select the virtual path providers. Providers can be seen / defined in Web.Config.
        VirtualPathUnifiedProvider provider = (VirtualPathUnifiedProvider)VirtualPathHandler.G
        if (provider.DirectoryExists(provider.VirtualPathRoot))
        {
            UnifiedDirectory vdir = (UnifiedDirectory)provider.GetDirectory(provider.VirtualPa
            DDL1.DataTextField = "Name"; //Show the filenames in the dropdown list
            DDL1.DataValueField = "VirtualPath"; //And keep their virtual path as the key
            DDL1.DataSource = vdir.GetFiles();
        }
        this.DataBind();
    }
}

public void DDL1_SelectedIndexChanged(object sender, EventArgs e)
{
    //Redirect to download of file
    Response.Redirect(DDL1.SelectedValue, true);
}
```

The trick is to find the right VirtualPathProvider. If you look in web.config there's a couple defined:

```
<virtualPath customFileSummary="-~/FileSummary.config">
  <providers>
    <add showInFileManager="false" virtualName="Page Files" virtualPath="-~/PageFiles/"
    bypassAccessCheck="false" name="SitePageFiles"
    type="EPiServer.Web.Hosting.VirtualPathVersioningProvider,EPiServer" indexingServiceCatalog="Web"
    physicalPath="%USERPROFILE%\KnowledgeWeb\PageFiles"/>
    <add showInFileManager="true" virtualName="Global Files" virtualPath="-~/Global/"
    bypassAccessCheck="false" name="SiteGlobalFiles"
    type="EPiServer.Web.Hosting.VirtualPathVersioningProvider,EPiServer" indexingServiceCatalog="Web"
    physicalPath="%USERPROFILE%\KnowledgeWeb\Globals"/>
    <add showInFileManager="true" virtualName="Documents" virtualPath="-~/Documents/"
    bypassAccessCheck="false" maxVersions="5" name="SiteDocuments"
    type="EPiServer.Web.Hosting.VirtualPathVersioningProvider,EPiServer"
    physicalPath="%USERPROFILE%\KnowledgeWeb\Documents"/>
  </providers>
```

I use SiteDocuments, cause that's where I want to get my files from. You can of course use the VirtualPathRoot as a base to construct virtual paths to sub-folders, etc. If you want to use PageFiles, you can get the PageFolderID (which is in the path) from the PageData object.

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