iLove SharePoint - PowerWebPart 2.0

Blog: <http://www.iLoveSharePoint.com>

Codeplex: <http://www.codeplex.com/iLoveSharePoint>

# Installation

## Prerequisites

* Microsoft SharePoint Services 3.0 SP1
* Microsoft PowerShell 1.0
* Microsoft .NET Framework 3.5

## Install and Deploy Solution

* Extract the ZIP-File
* Executing deploy.bat will install the solution and deploy to http://localhost . If needed change the deploy location or install and deploy manual with ststadm.
* (Optional) To run the web part impersonated to the current user, you have to change the “aspnet.config” in “%windir\Microsoft.NET\Framework\v2.0.50727\” like this:

**<configuration>**

**<runtime>**

**<legacyImpersonationPolicy enabled=”false”/>**

**<alwaysFlowImpersonationPolicy enabled=”true”/>**

**</runtime>**

**</configuration>**

Read more: <http://blogs.msdn.com/powershell/archive/2007/09/10/impersonation-and-hosting-powershell.aspx>

* (Optional) To use the PowerWebParts AJAX functionality, you have to modify the web.config of your web application like this:

<httpHandlers>

...

<add verb="\*" path="\*\_AppService.axd" validate="false" type="System.Web.Script.Services.ScriptHandlerFactory, System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />

<add verb="GET,HEAD" path="ScriptResource.axd" type="System.Web.Handlers.ScriptResourceHandler, System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" validate="false" />

</httpHandlers>

## Activate Feature

* Activate the “iLove SharePoint – PowerWebPart 2.0” feature on a site collection.

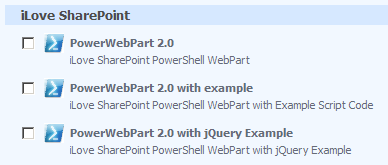


The activation adds the “PowerWebPart” to the web part gallery of the site collection

# Users Guide

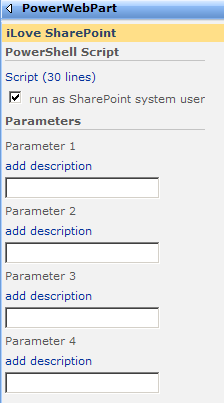
## Add “PowerWebPart” to a Web Part Page

* Navigate to a WebPart Page
* Choose “Site Actions” -> Edit Page
* Click on “Add a Web Part”
* Go to category “iLove SharePoint”, select PowerWebPart 2.0 and click add.



## Configure “PowerWebPart”

In the web part’s verb menu choose “Modify Shared Web Part”



### PowerShell Script

*The “PowerShell Script” section is only visible to “Site Collection Administrators”!*

**Script**

Click on “Script (…)” to open the Script Editor.

To get started enter a simple script:

function Render($writer)

{

$writer.Write("<h2>May the power be with you!</h2>")

}

Clicking “Apply” in the editor saves the script and closes the editor. To see your changes in the web part click “Apply” or “Okay” in the web part configuration panel.

**Run as SharePoint System User**

If checked the script will run under the privileges of the IIS Application Pool User, if not the script will run under the current windows user (requires modification of the aspnet.config, see “Installation”).

### Parameters

You can use parameters to configure your script. The defined parameters will be available in your script as $param1, $param2, $param3 and $param4. Only parameters with a description will be shown to none “Site Collection Administrators”.

**Add description**

Click on “add description” to add a description to the parameter.

## Script Reference

#### Predefined Variables

|  |  |  |
| --- | --- | --- |
| Variable | Type | Description |
| $this | iLoveSharePoint.WebControls.PowerWebPart  inherits [System.Web.UI.WebControls.WebParts.WebPart](http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.webparts.webpart(VS.80).aspx) | The Web Part itself. The most important method is “$this.RegisterEvent(…)” to register for an event of an ASP.NET Control.  **RegisterForEvent(System.Web.UI.Control control, string eventName, string functionName)** |
| $page | [System.Web.UI.Page](http://msdn.microsoft.com/en-us/library/system.web.ui.page.aspx) | ParentASP.NET Page |
| $isPostBack | [System.Boolean](http://msdn.microsoft.com/en-us/library/system.boolean.aspx) | Indicated if the request is a post back or not |
| $site | [Microsoft.SharePoint.SPSite](http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spsite.aspx) | SharePoint Site Collection of the context |
| $spContext | [Microsoft.SharePoint.SPContext](http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spcontext.aspx) | SharePoint Context |
| $httpContext | [System.Web.HttpConext](http://msdn.microsoft.com/en-us/library/system.web.httpcontext.aspx) | ASP.NET HttpContext |
| $viewState | [System.Web.UI.StateBag](http://msdn.microsoft.com/en-us/library/system.web.ui.statebag.aspx) | ASP.NET View State |
| $this.ScriptManager | [System.Web.UI.ScriptManager](http://msdn.microsoft.com/en-us/library/system.web.ui.scriptmanager.aspx) | ASP.NET AJAX Script Manager |
| $web | [Microsoft.SharePoint.SPWeb](http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.spweb.aspx) | SharePoint Web of the context |
| $list | [Microsoft.SharePoint.SPList](http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.splist.aspx) | SharePoint List of the context |
| $item | [Microsoft.SharePoint.SPListItem](http://msdn.microsoft.com/en-us/library/microsoft.sharepoint.splistitem.aspx) | SharePoint List Item of the context |
| $ajaxEnabled | [System.Boolean](http://msdn.microsoft.com/en-us/library/system.boolean.aspx) | Activate AJAX, default is $false. |
| $refreshInterval | [System.Int32](http://msdn.microsoft.com/en-us/library/system.int32.aspx) | Defines the auto refresh interval for AJAX mode. Default is 0. |
| $progressDispayAfter | [System.Int32](http://msdn.microsoft.com/en-us/library/system.int32.aspx) | Defines the milliseconds before the progress indicator will be shown. Default are 500 milliseconds. |
| $progressTemplate | [System.String](http://msdn.microsoft.com/en-us/library/system.string.aspx) | Defines the html to show the progress while an AJAX round trip |
| $progressDynamicLayout | [System.Boolean](http://msdn.microsoft.com/en-us/library/system.boolean.aspx) | Defines whether the progress template is rendered dynamically or not |
| $this.UpdatePanel | [System.Web.UI.UpdatePanel](http://msdn.microsoft.com/en-us/library/system.web.ui.aspx) | Direct access to the AJAX Update Panel (normally you shouldn’t use this) |
| $param1 | [System.String](http://msdn.microsoft.com/en-us/library/system.string.aspx) | Parameter 1 |
| $param2 | [System.String](http://msdn.microsoft.com/en-us/library/system.string.aspx) | Parameter 2 |
| $param3 | [System.String](http://msdn.microsoft.com/en-us/library/system.string.aspx) | Parameter 3 |
| $param4 | [System.String](http://msdn.microsoft.com/en-us/library/system.string.aspx) | Parameter 4 |