

KWizCom Corporation



SharePoint Data View Plus Web Part

Admin Guide

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INTRODUCTION

GENERAL

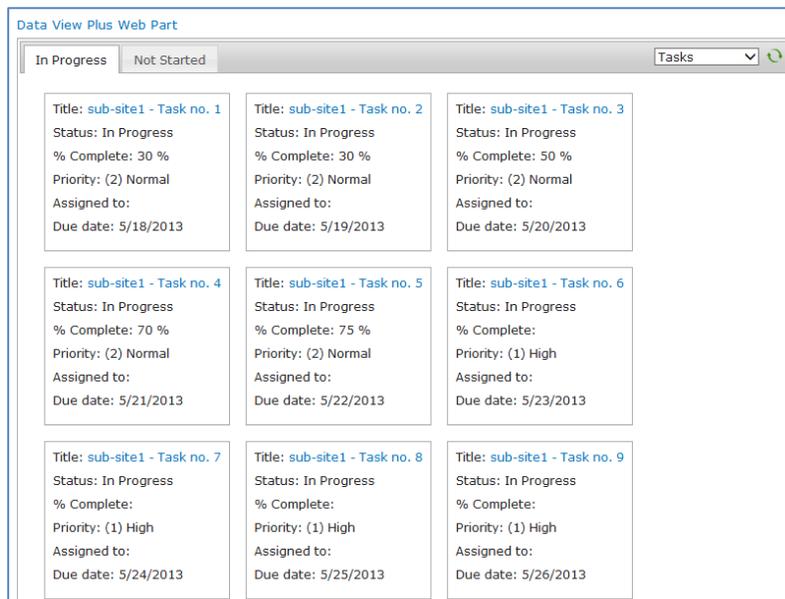
This document provides all the information needed to install, evaluate and deploy this KWizCom product:

- Introduction
- Installation Guide
- Administration Guide
- FAQ

PRODUCT OVERVIEW

The KWizCom Data View Plus is a web part that allows you to easily create a customized, branded display based on SharePoint items.

Unlike the out-of-the-box SharePoint Data View web part, the KWizCom Data View Plus web part doesn't require you to use SharePoint Designer and to have advanced skills such as XSL in order to create amazing display layouts. All you need to know is basic HTML to create great-looking custom web parts!



The Data View Plus web part can display:

- **List views**
to display any request list view in a customized way. You can connect to local as well as to remote lists.
- **Aggregated data** (Professional edition)
With the Data View Plus Professional edition, you can aggregate items across your SharePoint farm (cross site collection and cross web application), and display your aggregated items in your custom, great-looking display layout.

KEY FEATURES

Feature	KWizCom Data View Plus web part	KWizCom Data View Plus web part (Professional edition)	SharePoint 2010/2013 Data View web part
Display any list views in your custom-tailored layout.	✓	✓	✓
Display remote list views from other sites.	✓	✓	
Display aggregated data from various site collections and web applications in your requested custom layout, by connecting to the KWizCom Enterprise Aggregation Caching Feature.		✓	
Requires no complex XSL, simply use standard HTML and javascript to create your custom layouts.	✓	✓	
Does not require using SharePoint Designer	✓	✓	
Includes S.C repository of shared layouts	✓	✓	
Includes great-looking, ready to use display layouts such as Image gallery, blog spotlight, Tasks accordion and more.	✓	✓	

INSTALLATION GUIDE

SOFTWARE REQUIREMENTS

SERVER REQUIREMENTS

- SharePoint Server/Foundation 2010
- SharePoint Server/Foundation 2013

CLIENT REQUIREMENTS

- Windows 7+
- Microsoft Internet Explorer 9+, Mozilla Firefox (Latest version), Google Chrome (Latest version).

INSTALLATION PROCEDURE

SHAREPOINT 2010/2013

1. Log in as SharePoint administrator account to your SharePoint front-end server.
2. Browse the product's page on KWizCom's website and click the "Go" link under the "Install using our Web Installer" section.

This will start the KWizCom web installer.

Note: The KWizCom Web Installer will automatically offer you to upgrade other existing KWizCom products on your farm, in case you have old versions installed. You can check which products you wish to update at this time.

3. In case you prefer just to download the relevant .wsp packages and manually deploy them, then in the web installer UI check the "Download only" option (3rd page in the installer's wizard). When the installer finishes you will be able to go to the installer's folder on your server, and install the KWizCom packages by simply running the "SP-WSPInstaller" powershell script.
4. At the end of the installation process, you should see all packages deployed in the Central Admin "Server Solutions" page, and the KWizCom SharePoint Foundation package should be deployed also in the **Central Admin web application**.

REMARK:

The Data View Plus **Professional** edition actually bundles 2 packages:

- Data View Plus web part
- Enterprise Aggregation Caching Feature

The Enterprise Aggregation Caching Feature is the module in-charge of aggregating and caching data across your farm.

For detailed installation and configuration instructions please refer to the [Enterprise Aggregation Caching Feature admin guide](#).

POST INSTALLATION

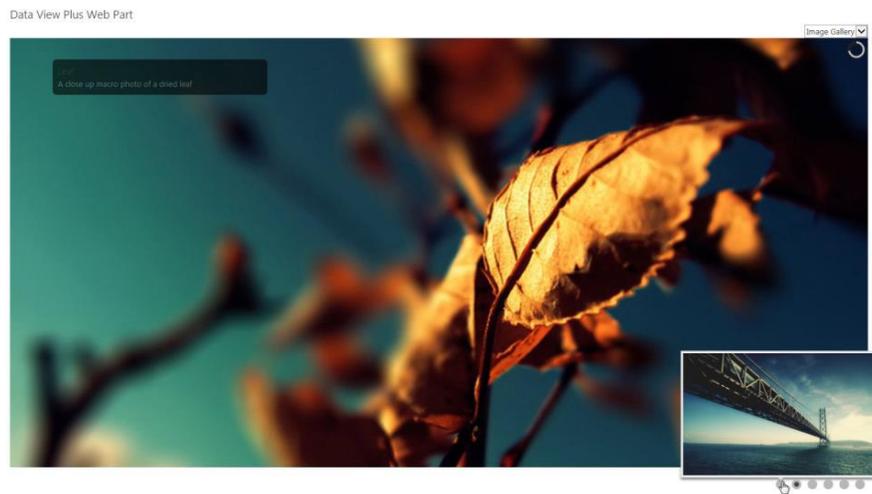
SHAREPOINT 2010/2013

1. After completing the package installation and deployment, activate the KWizCom SharePoint Data View Plus Web Part & Default Display Layouts feature in the required site collections.

	KWizCom SharePoint Data View Plus Additional Display Layouts: Blog Additional display layouts for the Data View Plus web part that intended to work with blog lists. Activate this feature to get 2 new display layouts, the Camera control resources and sample images added as libraries to this site.	Deactivate	Active
	KWizCom SharePoint Data View Plus Additional Display Layouts: Slideshow Additional display layouts for the Data View Plus web part that intended to work with picture libraries or asset libraries displaying images as slideshow. Activate this feature to get 2 new display layouts, the Camera control resources and sample images added as libraries to this site.	Deactivate	Active
	KWizCom SharePoint Data View Plus WebPart & Default Display Layouts The Data View Plus web part allows you to display list views and aggregated data items in your custom-tailored layouts. No need for messy xsl. Use this feature to load up on some default ready to use display layouts.	Deactivate	Active

Activating this feature will make the KWizCom Data View Plus web part available in the web part gallery, and will create the “[KWizCom Data View Plus Display Layouts](#)” list in the S.C level. This list stores all the display layouts (templates) that can be used by the web part.

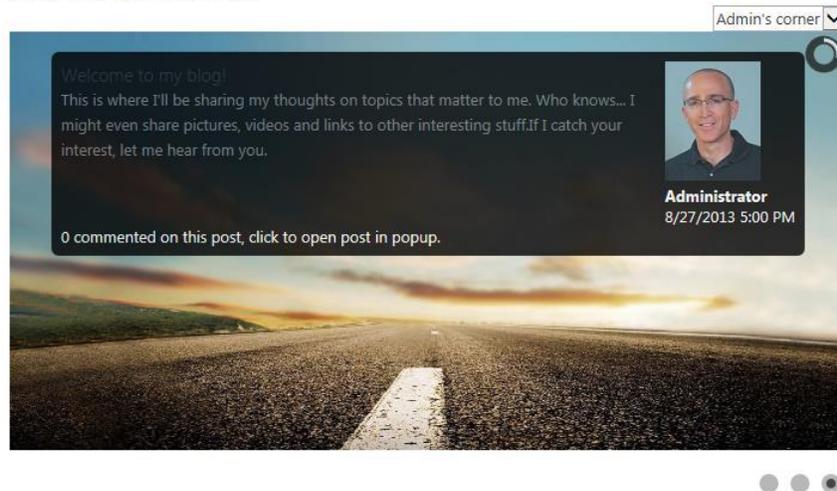
2. The product includes two additional features that include additional great-looking Display Layouts that you can use with the web part:
 - a. **KWizCom SharePoint Data View Plus Additional Display Layouts: Slideshow**
Activating this feature will add two great-looking layouts that display image slideshow (with and without thumbnails):



b. **KWizCom SharePoint Data View Plus Additional Display Layouts: Blog**

Activate this feature to add display layouts that render aggregated blog posts:

Data View Plus Web Part



UN-INSTALLATION PROCEDURE

SHAREPOINT 2010/2013

1. Retract the solution using SharePoint central admin or by using stsadm/powershell command line.

INSTALLING ADDITIONAL DISPLAY LAYOUTS

From time to time KWizCom will be releasing new display templates for the Data View Plus web part.

Each package of display layouts will be published as a standard SharePoint feature that needs to be installed and activated in the following way:

1. Download the extra layout package from KWizCom's website and unzip it in your SharePoint FE server.
2. Install the feature by following the instructions in the included installation instruction text file. Once the feature is installed, a new feature will appear in the S.C feature gallery.
3. Activate that new feature in the required site collections.

You will now see these new display templates when editing the Data View Plus web part.

ADMINISTRATION GUIDE

This section describes all administration activities related to KWizCom Data View Plus web part.

PRODUCT ACTIVATION

KWizCom products are available for evaluation prior to purchase.

This way you can try our components and verify that they indeed meet your needs. Each evaluation version contains all features of the component's production version. The only difference between the versions is that the evaluation version is time-limited and will operate for a period of one month.

Once you decide to purchase a KWizCom component you will need to **order** and then to **activate** the product. The steps that need to be taken next are listed below.

REMARK:

The Data View Plus **Professional** edition actually bundles 2 packages:

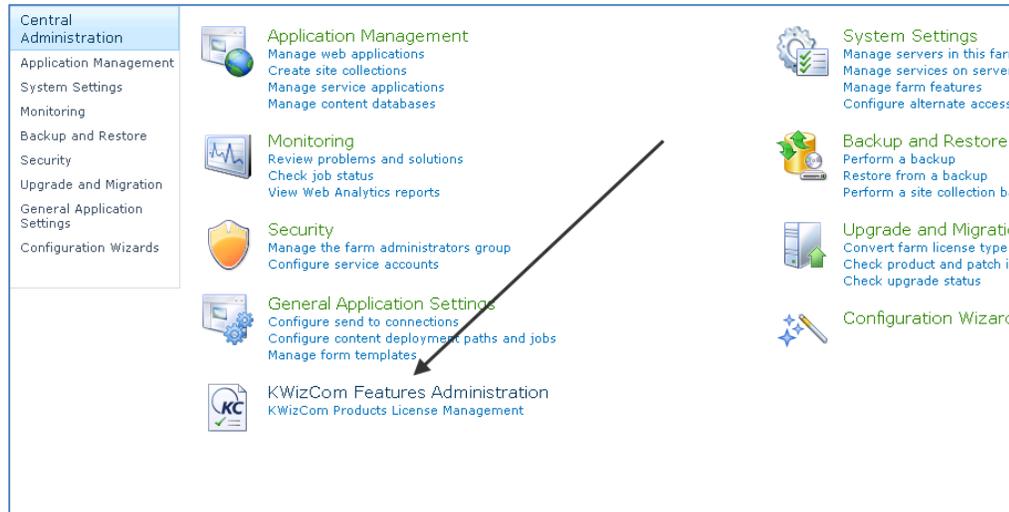
- Data View Plus web part
- Enterprise Aggregation Caching Feature

The Enterprise Aggregation Caching Feature is the module in-charge of aggregating and caching data across your farm.

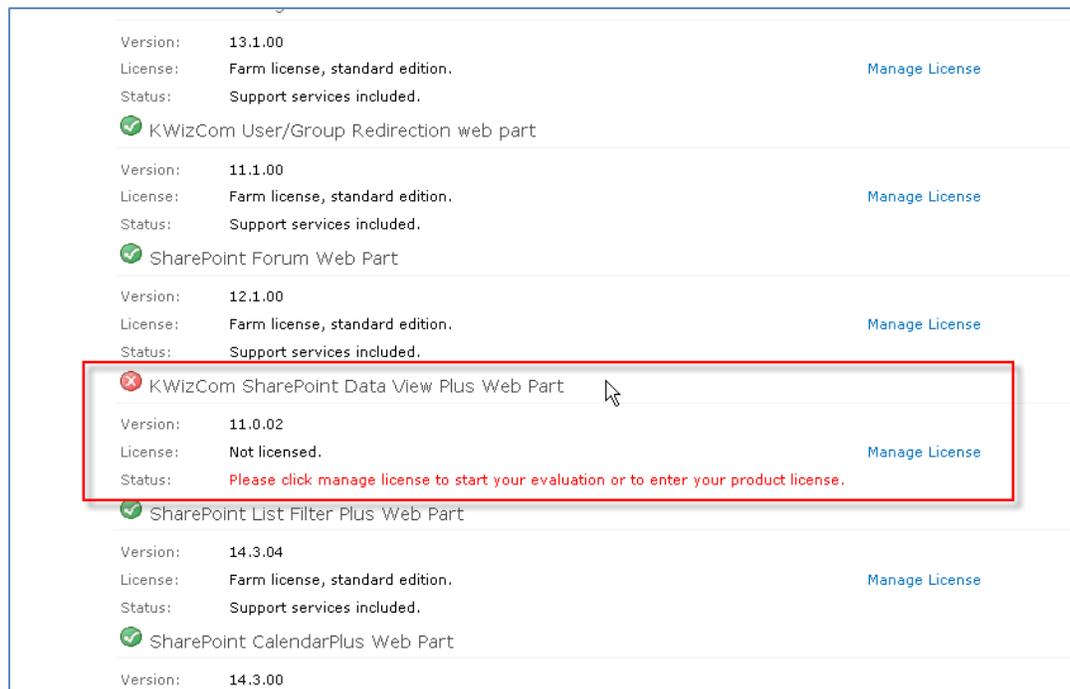
For detailed activation instructions please refer to the [Enterprise Aggregation Caching Feature admin guide](#).

SHAREPOINT 2010/2013

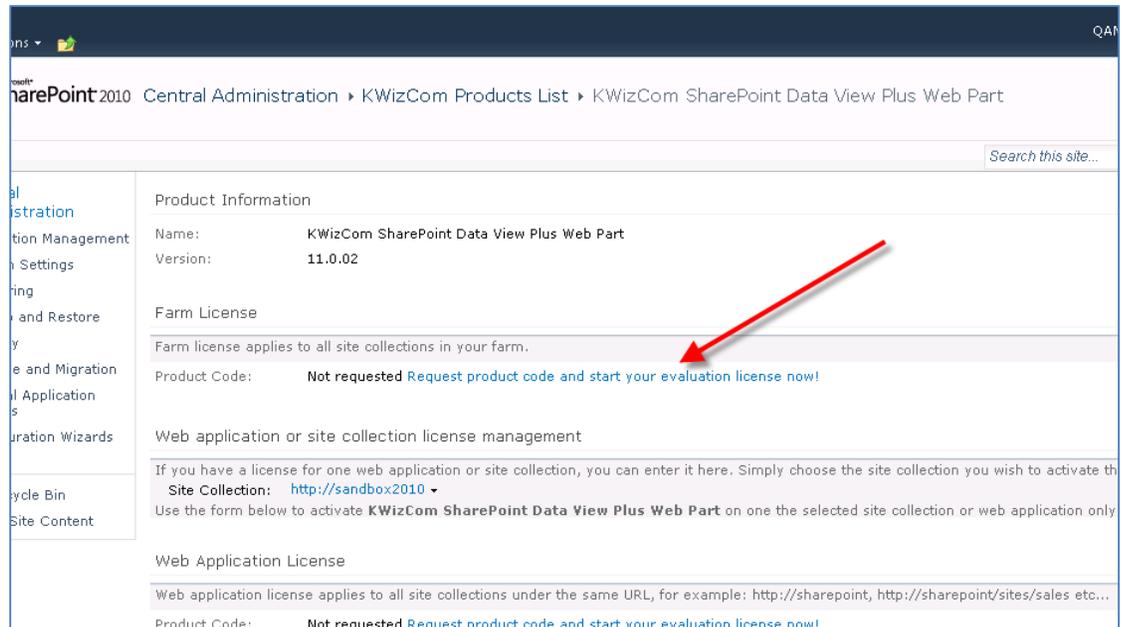
1. Order the product on the KWizCom website – www.KWizCom.com, or contact our sales team at sales@kwizcom.com.
2. After the order was made, you can activate your installed evaluation version. Activation is done by the following steps:
 - a. Open SharePoint Central Admin. On the main “Central Administration” page, you will see the “KWizCom Features Administration” icon:



- b. Click the *KWizCom Product Licenses Management* link. You will be redirected to a page that allows you to manage all your installed KWizCom products' licenses:

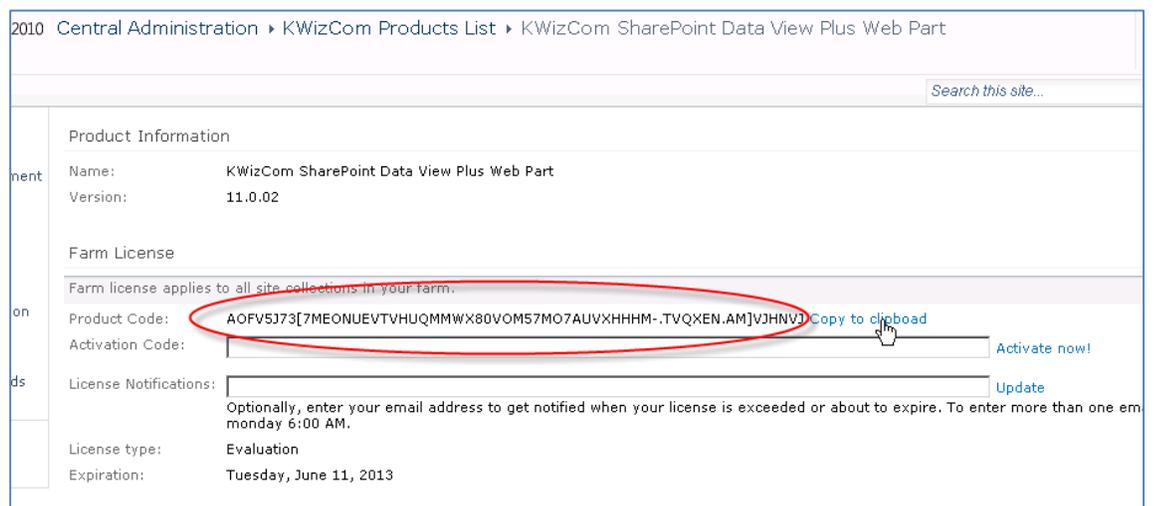


- c. Click the "Manage License" link next to the product that you wish to activate. You will be redirected to that product's license management page:



- d. Click on the “Request product code and start your evaluation now” link, under the required license type (Farm, Web application, Site Collection).

A product code will be generated and displayed as in the following screenshot:



- e. Copy the product code.
- f. Browse the *Product Activation Request* page on KWizCom’s web site:
<http://www.kwizcom.com/ProductReg>.

Product Activation Request

In order to deactivate a product please [click here](#).

This Product Activation Form is used to get your product activation key after you have purchased the product.

Please fill out the following form. Once we get your product activation request, a product activation key will be sent to you by email, along with the activation process description.

*Customer Name:

*E-mail address:

*Share-It Order/Invoice Number:

*Product Code:

*License Type:

Copy your *Product Code* into the “Product Code” field, and after you fill-out all other form fields, click “Send Activation Request button.

- g. Once your order is confirmed, you will receive the Activation Code for your product by email.
- h. Copy the activation code into the “Activation Code” field in the product’s license management page and click “Activate now!” link.

Search this site...

Product Information

Name: KWizCom SharePoint Data View Plus Web Part
Version: 11.0.02

Farm License

Farm license applies to all site collections in your farm.

Product Code: AOFV5J73[7MEONUEVTVHUQMMWX80VOM57MO7AUUVXHHHM-.TVOXEN-AMJWJHNVJ [Copy to clipboard](#)

Activation Code: [Activate now!](#)

License Notifications: [Update](#)

License type: Evaluation
Expiration: Tuesday, June 11, 2013

That’s it! Your product is now fully activated.

COMPONENT LOCALIZATION

Every KWizCom component comes with localization utility called "Resource File Editor" that enables translation of the component user interface to any required language.

This section describes this utility and the translation process.

SharePoint 2010/2013

1. Go to: C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\14\15\Resources.
2. Copy the product's resource file: `KWizCom.SharePoint.WebParts.DVPWP.resx`

to a new resource file, and add to its name the requested language's suffix.

Example: to create a French resource file, copy the file to the following file name:

`KWizCom.SharePoint.WebParts.DVPWP.fr-FR.resx`

3. Update the copied resource file and replace the English strings with the translated strings. The translatable strings are located inside the `<data name>` nodes, in their `<value>` attributes.

Example:

```
<data name="btnAccept" xml:space="preserve">
```

```
<value>Accept Changes</value>
```

```
</data>
```

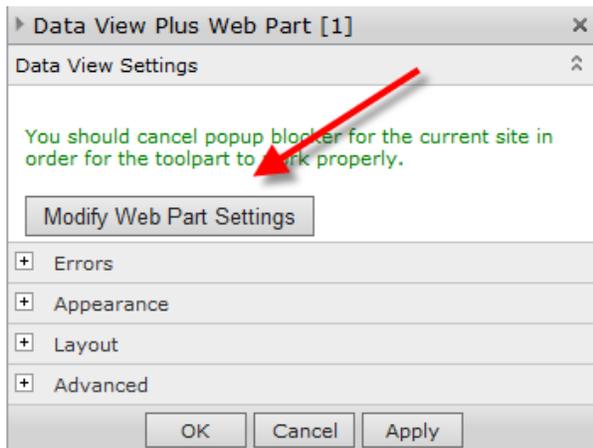
4. Save the new resource file.

REMARK:

You can also use the [KWizCom Resource Translator](#) Free utility to quickly translate any KWizCom add-on to your preferred language.

WEB PART PROPERTIES

In order to set these settings click on **Modify Web Part Settings** button



The following image displays the web part's settings page (Toolpart):

LAYOUTS AND DATA SOURCES

Data source type:

SharePoint List View
 Enterprise Aggregation Rule

Select the datasource type you want to add. Select 'SharePoint List View' to display items from a single list, or 'Enterprise Aggregation Rule' to aggregate items from multiple lists across your farm. * This option requires you to have the KWizCom Aggregation Caching Feature product installed on your farm.

List web site url: *
 

List name: *

List view:

Title:

Enter the display name of this data source that will appear to the user.

Default
Check this property to have this data source displayed as the default view in the view picker.

Order: *

Available layouts: * 

Please select a layout from the list above.
Click here to [go to the layouts list](#), where you can create and configure the display layouts.

 [Reload layouts](#)

Data sources displayed in this web part:

Order:	Default	Title:	Data source type:	Available layouts:	
1	<input checked="" type="checkbox"/>	Admin's corner	ListView	Blog Spotlight	Edit Delete
2	<input type="checkbox"/>	Tasks	ListView	Tasks Accordion	Edit Delete
3	<input type="checkbox"/>	Image Gallery	ListView	Image Slideshow	Edit Delete

When you configure the web part, you create data sources, each includes the following:

- Data source type – defines the type of data source from which you want the web part to retrieve data.
- Layout – this defines how the retrieved data will be rendered. These layouts consist of standard HTML, javascript (optional) and dynamic tokens and are stored in a list in the S.C level. In the next sections we'll show you how you can customize and create new display templates.

You can create several data sources, allowing end-users to toggle between these data sources when viewing the web part.

The following table provides details about the web part properties:

Field Name	Explanation
Data Source Type	<p>You can choose between 2 types:</p> <ul style="list-style-type: none"> • SharePoint List View – check this option if you want to display a local/remote list. • Enterprise Aggregation Rule (Professional edition) – check this option to display aggregated data by connecting to the KWizCom Enterprise Aggregation Caching Feature. Before you chose this option make sure to create aggregation rules according to the Enterprise Aggregation Caching Feature admin guide. <p>Depending on your selection, the relevant properties appear below in the toolpart.</p>
If “SharePoint List View” source type is selected	
List Web Site Url	Type site url. This site is where the list that you want to get data from, is located.
List name	Select the required list.
List View	Select the required view. This view will be used to filter and sort the retrieved items from the list.
If “Enterprise Aggregation Rule” source type is selected	
Available caching rules	<p>This drop-down displays all the available aggregation caching rules (for more details please review the Enterprise Aggregation Caching Feature’s documentation).</p> <p>Select the required Aggregation caching rule – this rule defines a query that will be used to aggregate data items.</p>
Title	A descriptive name that you should give the data source.
Default	In case you created several data sources, check this property in the data source that you wish to be displayed to end-users by default.
Order	In case there are several data sources, this field defines the order they will appear in the “Views” drop-down (that enables end-users to switch between the configured data sources).
Available layouts	This drop-down displays all the available display layouts that you can use to render your retrieved data.

Field Name	Explanation
	These layouts are stored in the “KWizCom Data View web part display layouts” list, located in the top-level site. Selecting a display layout will show a description of that layout.
Add data source	Click this button to add a new data source to the table of data sources that are displayed by this web part.
Data sources displayed in this web part	This table shows all the data sources that are displayed by this web part.

CREATING AND EDITING DISPLAY LAYOUTS

WHAT ARE DISPLAY LAYOUTS?

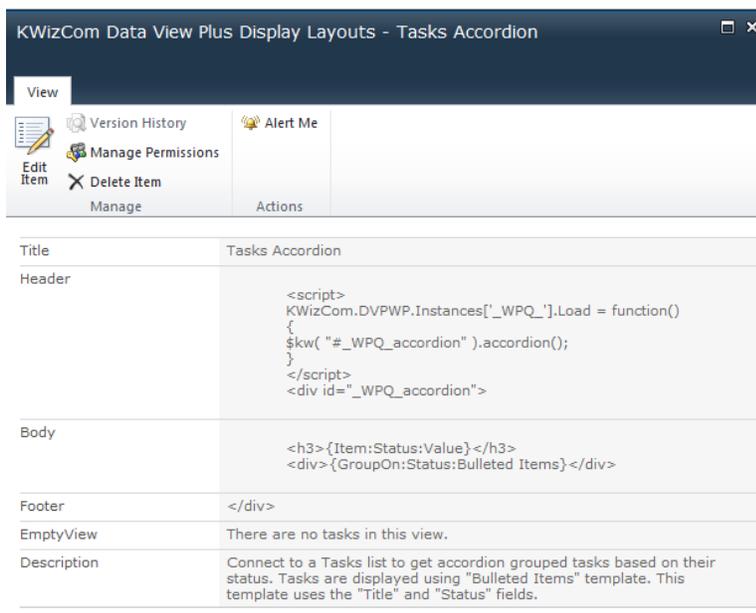
All the Display Templates are stored in the “KWizCom Data View web part display layouts” list, located in the top level site. This list is created when you activate the “Data View Plus web part” S.C feature (See post installation instructions).

Each display layout includes html and some tokens that define how to render your data items. The great thing about it is that unlike the out-of-the-box Data View web part:

- There’s no need for messy xsl! All you need is standard html and some custom tokens that render the retrieved data.
- No need for SharePoint Designer
- You can easily share the display layouts and copy them to other SharePoint servers.

DISPLAY LAYOUT STRUCTURE

A display layout item includes the following fields:



Field	Value
Title	Tasks Accordion
Header	<pre><script> KWizCom.DVPWP.Instances['_WPQ_'].Load = function() { \$kw("#_WPQ_accordion").accordion(); } </script> <div id="_WPQ_accordion"></pre>
Body	<pre><h3>{Item:Status:Value}</h3> <div>{GroupOn:Status:Bulleled Items}</div></pre>
Footer	</div>
EmptyView	There are no tasks in this view.
Description	Connect to a Tasks list to get accordion grouped tasks based on their status. Tasks are displayed using "Bulleled Items" template. This template uses the "Title" and "Status" fields.

Field Name	Explanation
Title	<p>The name of the display layout as it appears in the Data View Plus toolpart.</p> <p>It is recommended to use descriptive names that provide some indication about how this display layout looks like.</p>
Header	<p>This part should include html that should be rendered only once, regardless of the amount of displayed items.</p> <p><u>Example:</u> If you create a display layout that displays your data items in an html table, than the <TABLE> html token as well as the heading row should be in this field:</p> <pre><Table> <TR> <TD>Title1</TD> <TD>Title2</TD> </TR></pre>
Body	<p>This is the main part where all the retrieved items are rendered.</p> <p>Html that appears here will be rendered amount of times equal to the amount of displayed items, in a loop.</p> <p>Typically this field will also include custom tokens (described in the next section) that render the retrieved data items.</p>
Footer	<p>This is the ending part that is rendered only once, regardless of the amount of displayed items.</p> <p>Put here html code that closes html entities and any other static html.</p> <p><u>Example:</u> If you create a display layout that displays your data items in an html table, than this part should include the </TABLE> closing token.</p>
EmptyView	<p>Put here text that should be displayed if the selected view displays no data.</p> <p><u>Example:</u> "The selected view has no data items."</p>

CUSTOM TOKENS THAT YOU CAN USE IN DISPLAY LAYOUTS

You can use the following tokens in your display layouts (in the Body part):

Token	Use it to
{Settings:Refresh:Icon}	Render a “Refresh” icon that enables refreshing the cached aggregated results and to view the status of the current cache. IMPORTANT: By default if the token doesn’t exist in the layout, the refresh icon will be displayed in the top-right corner of the web part. To hide it, add the token and put it in a hidden div.
{Settings:Views:DropDown}	Renders a drop-down control that enables end-users switch between views. IMPORTANT: By default if the token doesn’t exist in the layout, the views drop-down will be displayed in the top-right corner of the web part. To hide it, add the token and put it in a hidden div.
{Settings:DateTime:Today}	Render Today’s date.
{Settings:DateTime:Now}	Render current date & time
{Settings:DateTime:Time}	Render current time.
{Settings:DateTime:XXXX}	Render current time/date in a specific format.
{Settings:Me:Email}	Render current user’s email
{Settings:Me:LoginName}	Render current user’s Login name (domain\username)
{Settings:Me:Name}	Render current user’s name
{Settings:Layouts}	Returns _layouts for SP2010 or _layouts/15 for 2013. (required only when you need to create layouts that should work both on SP2010 and SP2013)
{Settings:SiteCollectionRelativeUrl}	Returns the top-level site’s relative url.
{Settings:SiteRelativeUrl}	Returns the current site’s relative url.
{Item:Author:Name}	Returns the item’s author’s (created by) name
{Item:Author:Picture}	Returns the item’s author’s picture (taken from the user’s profile at the current site)

{Item:Editor:Name}	Returns the item's editor's (last modified by) name
{Item:Editor:Picture}	Returns the item's editor's (last modified by) picture
{Item:[Field]:Value}	Renders a column's value
{Item:[Field]:Title}	Renders a column's title (visible name)
{Item:[Field]:InternalName}	Renders a column's internal name
{Item:Forms:Display}	Render the item's View form link.
{Item:Forms:Edit}	Render the item's Edit form link.
{Item:Forms:New}	Render the item's New form link.
{Item:File:ServerRelativeUrl }	Renders the relative url of a document in a document library
{Item:File:IconUrl}	Renders the image name of a document's type icon. To get the image's url use: "/{Settings:Layouts}/images/{Item:File:IconUrl}"
{Item:FieldName:ValueAsHTML}	Renders item's field value as html. Required for fields that require rendering as a link/rich-text fields.
Item:LookupField:Count	Shows number of selected items.
Item:NumComments	Shows # of comments in blog list.
{List:Title}	Render a list's name.
{List:Views:[View name]}	Render relative url of the a list's view
{GroupOn:[FieldName]:[DisplayLayoutName]}	This will group items based on field, and use display layout to render the group content. This token enables creating layouts with grouping.
{Parameter:XXX}	Allows to get query string parameters, or "GroupName" which contains the GroupOn field value that's being grouped on.

TOKENS USAGE EXAMPLES

{Settings:DateTime:XXXX}

Example:

```
{Settings:DateTime:dd/MM/yyyy hh:mm}
```

This will render current date and time in the following format:

```
15/05/2013 12:37
```

{Item:[Field]:Value}

Example:

The following code will render item's Title field's value:

```
{Item:Title:Value}
```

{Item:[Field]:Title}

Example:

The following code will render item's "Due Date" field's visible name:

```
{Item:Due Date:Title}
```

In run-time the web part will render this as:

```
Due Date
```

{Item:[Field]:InternalName}

Example:

The following code will render item's "Due Date" field's internal name:

```
{Item:Due Date:InternalName}
```

In run-time the web part will render this as:

```
DueDate
```

{Item:Forms:Display}

Example:

The following code will render item's title with link to the item's View form:

```
<a href="{Item:Forms:Display}">{Item:Title:Value}</a>
```

{Item:Forms:Edit}

Example:

The following code will render item's title with link to the item's Edit form:

```
<a href="{Item:Forms:Edit}">{Item:Title:Value}</a>
```

{Item:Forms:New}

Example:

The following code will render item’s title with link to the item’s New form:

```
<a href="{Item:Forms:New}">{Item:Title:Value}</a>
```

{List:Title}

Example:

The following token renders the current item’s list’s name.

```
{List:Title}
```

{List:Views:[View name]}

Example:

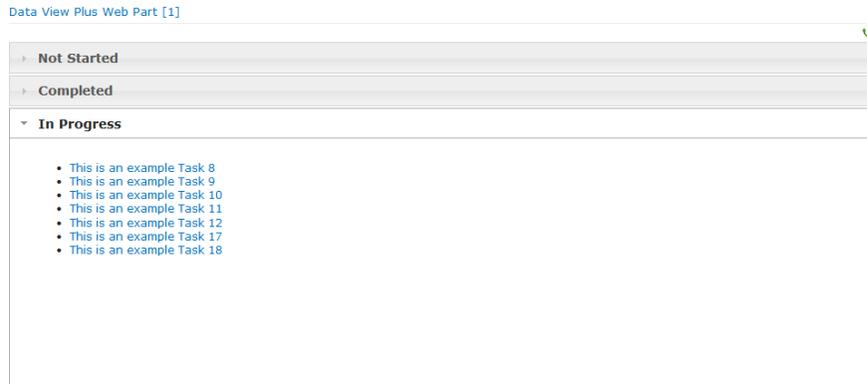
The following token renders the “Active Tasks” view url:

```
{List:Views:Active Tasks}
```

{GroupOn:XXX:YYY}

Example:

The following script renders this Task Accordion layout:



Actually, we need to display two layouts: the 1st one displays the content of a specific category as bullets:

Title	Bulleted Items
Header	
Body	{Item:Title:Value}
Footer	

and the second one – the accordion headers, grouping the 1st layout by category field:

Title	Tasks Accordion
Header	<pre> <script> KWizCom.DVPWP.Instances['_WPQ_'].Load = function() { \$kw("#_WPQ_accordion").accordion(); } </script> <div id="_WPQ_accordion"> </pre>
Body	<pre> <h3>{Item:Status:Value}</h3> <div>{GroupOn:Status:Bulleted Items}</div> </pre>
Footer	</div>

USING TOKENS TO PERFORM API CALLS (FOR DEVELOPERS)

The following tokens support API calls to any property (Note: only capitalized parts are case sensitive):

- SPField via Item:FieldName:PropertyName
- SPList via List:PropertyName
- SPUser current user via: Settings:Me:PropertyName

RUNNING CODE ON VARIOUS EVENTS FROM DISPLAY LAYOUTS (FOR DEVELOPERS)

- Templates can run code on load or unload events, by creating functions
`KWizCom.DVPWP.Instances['_WPQ_'].Load();` **or**
`KWizCom.DVPWP.Instances['_WPQ_'].Unload();`
- The namespace `KWizCom.DVPWP` is made available for developers to utilize.
Web part specific instance is accessible through `KWizCom.DVPWP.Instances['_WPQ_']`

FAQ

WHAT DOES THE “DATA VIEW PLUS” WEB PART DO?

This web part enables you to display list views and aggregated data in a custom tailored display, without having to use SharePoint Designer and without having to use messy XSL.

This web part also enables sharing custom display layouts and to easily copy/move them to other site collections/web applications and farms.

IN WHICH SHAREPOINT VERSION THIS FEATURE IS AVAILABLE?

SharePoint 2010/2013 Foundation/Server.

TECHNICAL SUPPORT

You can obtain technical support using any of the following methods:

The KWizCom Web site

The KWizCom website: www.KWizCom.com contains up-to-date, valuable information, including:

- Answers to frequently asked questions (FAQ's) about our products – usability and technical questions.
- Product updates, which provide you with bug fixes and new features.

The Web Form

For technical support through the Internet, please complete and submit our [support web form on our web site](#).

For more information on technical support, please review our [support programs page](#).

KWizCom's global network of experts is always standing by, waiting to provide a rapid response for each customer query.