

ComponentOne WebParts for SharePoint

By ComponentOne LLC

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ComponentOne WebParts for SharePoint (CTP)

ComponentOne WebParts for SharePoint is a suite of Silverlight™-enabled Web Parts for visualizing Microsoft SharePoint® lists and libraries, giving you the ability to create rich, interactive SharePoint sites.

The ComponentOne WebParts for SharePoint (CTP) release includes the following Web Parts:

- [C1Maps:](#) Display Microsoft Live Search Maps, complete with your own annotations retrieved from a SharePoint list or SQL Server® table, in a variety of different views using the C1Maps Web Part.
- [C1DataGrid:](#) Display hierarchical data and create an interactive grid that retrieves data from your SharePoint lists or SQL Server table using the C1DataGrid Web Part.
- [C1Chart:](#) Choose from thirty eye-catching charts and a variety of themes and color palettes to display a series of values retrieved from your SharePoint list or SQL Server table using the fully customizable C1Chart Web Part.

Installing WebParts for SharePoint

The following sections provide helpful information on installing **ComponentOne WebParts for SharePoint** and are normally performed by the SharePoint administrator.

WebParts for SharePoint Setup Files

The ComponentOne WebParts for SharePoint installation program will by default create the following directory:
C:\Program Files\ComponentOne\C1WebParts.

- bin** Contains the C1WebParts.wsp; the Silverlight cross-domain policy .xml files, clientaccesspolicy.xml and crossdomain.xml; and the SharePointLauncher.exe.
- Help** Contains documentation for WebParts for SharePoint.

WebParts for SharePoint System Requirements

System requirements include the following:

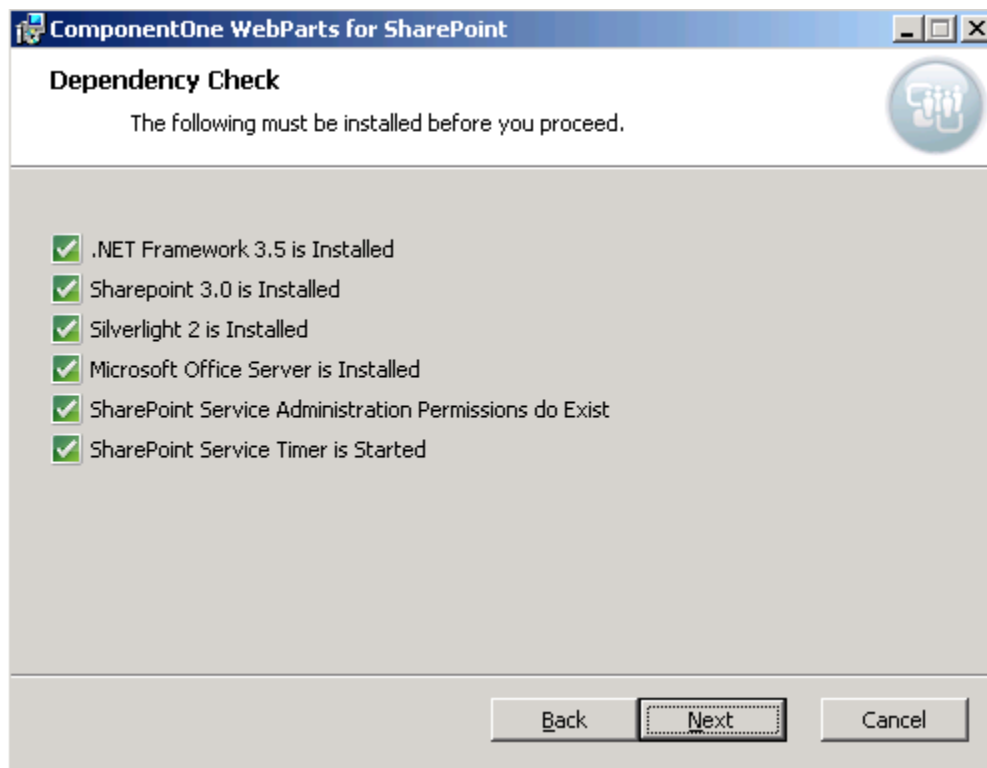
Operating Systems:	Microsoft Windows Server® 2003 Microsoft Windows Server 2008
Server:	Microsoft Windows SharePoint Services (WSS) 3.0 Microsoft Office SharePoint Server (MOSS) 2007
Software:	.NET Framework 3.5 Service Pack 1 Silverlight™ 2 runtime

Installation

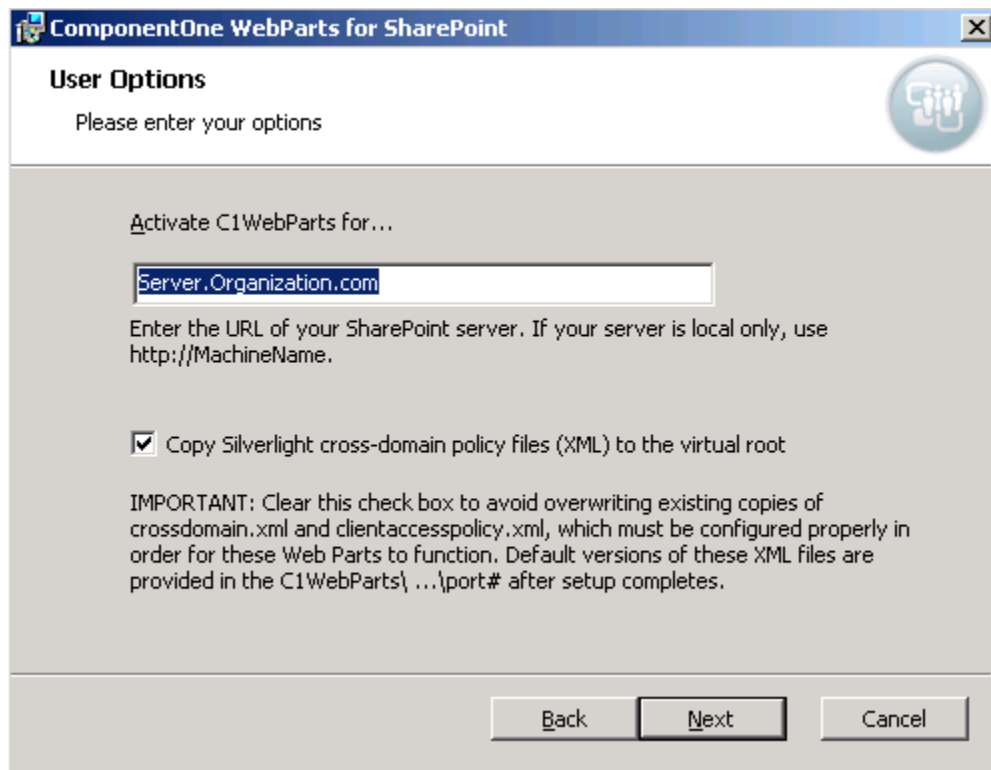
The **ComponentOne WebParts for SharePoint** setup wizard will guide you through the process of installing **WebParts for SharePoint**.

Complete the following steps to install **WebParts for SharePoint**:

1. Double-click the installation file; the **ComponentOne WebParts for SharePoint** setup wizard will open.
2. Click **Next** to confirm that you have everything that you need installed on the **Dependency Check** screen.



3. If a red 'X' appears next to an item, indicating that you need to install the required element, select **Cancel** and install the required dependency before resuming installation. If a green check appears next to each element, indicating that you have everything required installed, click **Next** to select your options on the **User Options** screen.
4. In the **URL to Activate** text box, enter the appropriate URL. If the **Copy Silverlight cross-domain policy files (XML) to virtual root** checkbox is checked, the setup wizard will copy the XML files from the **ComponentOne\C1WebParts\bin** directory to **Inetpub\wwwroot\wss\VirtualDirectories\80**.



Note: As explained on Microsoft's Silverlight Web site, Silverlight-based applications can either make calls back to their origin server or optionally make cross-domain calls. To enable cross-domain access on a service, it must provide a Clientaccesspolicy.xml or Crossdomain.xml at the root of the domain. Therefore, these files have been provided for you as part of the ComponentOne WebParts for SharePoint installation and can be automatically placed at the root of your site. With these files in place, authorized users will have direct access to your SharePoint list data without seeing a security warning. For additional information on Silverlight communications, visit <http://www.silverlight.net>.

5. Click **Next** to continue.
6. Select the check box to accept the end-user license agreement, and click **Next**.
7. Select an install location or accept the default installation directory of **C:\Program Files\ComponentOne\C1WebParts**, and then click **Next** to continue.
8. Click **Install** to complete the installation process.
9. Click **Finish** to complete the installation process and close the setup wizard.

Uninstalling WebParts for SharePoint

To uninstall **WebParts for SharePoint**, complete the following steps:

1. Open the Control Panel and select **Add or Remove Programs**.
2. Select **ComponentOne WebParts for SharePoint** and click the **Remove** button.
3. Click **Yes** to remove the program.

Viewing ComponentOne WebParts for SharePoint

In order to view ComponentOne WebParts in SharePoint, one of the following must be true:

1. Users must be a member of the WSS_WPG group on the Windows server. Note that administrators who already belong to the WSS_ADMIN_WPG group do not need to be added to the WSS_WPG group.

OR

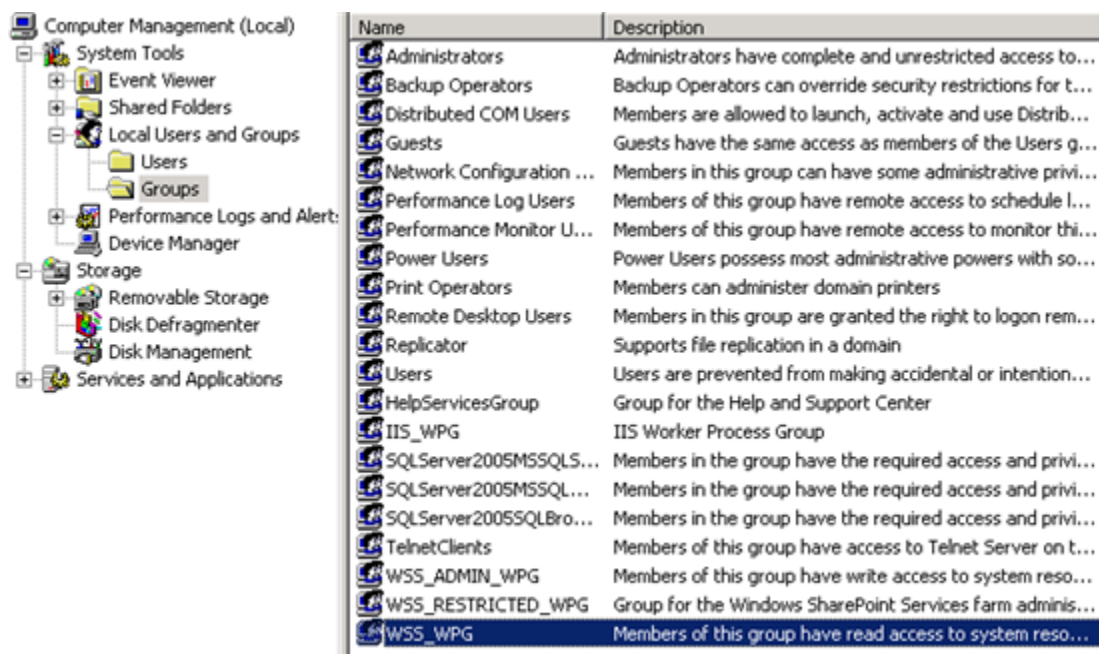
2. Users must have **Read & Execute** permissions on the folder where WebParts for SharePoint is deployed.

Additionally, users must have **Contribute** permission or greater on the SharePoint site. That is, they must belong to the Home Members or Home Owners group on the SharePoint site, where Home is the name of the site.

Note: If a user is a member of the Home Visitors group, they are only granted read permission and, therefore, have limited functionality. Home Visitors can modify Web Part properties but cannot save them. Additionally, Home Visitors do not have permission to browse subsites in SharePoint, so subsites will not be accessible in the **Data Source** tab of the Web Parts configuration properties dialog box. However, SharePoint administrators can change the default SharePoint permissions of the user groups.

To add a user to the WSS_WPG group, complete the following steps:

1. Select **Start | Administrative Tools | Computer Management**.
2. In the **Computer Management** pane on the left, expand **System Tools, Local Users and Groups**, and select **Groups**.
3. In the right pane, right click **WSS_WPG** and select properties.



4. In the **WSS_WPG Properties** dialog box, click **Add**. The **Select Users** dialog box appears.
5. Under **Enter the object names to select**, enter a user name. You can follow any of the syntax examples below and you can also enter a group name:

DisplayName (example: FirstName LastName)

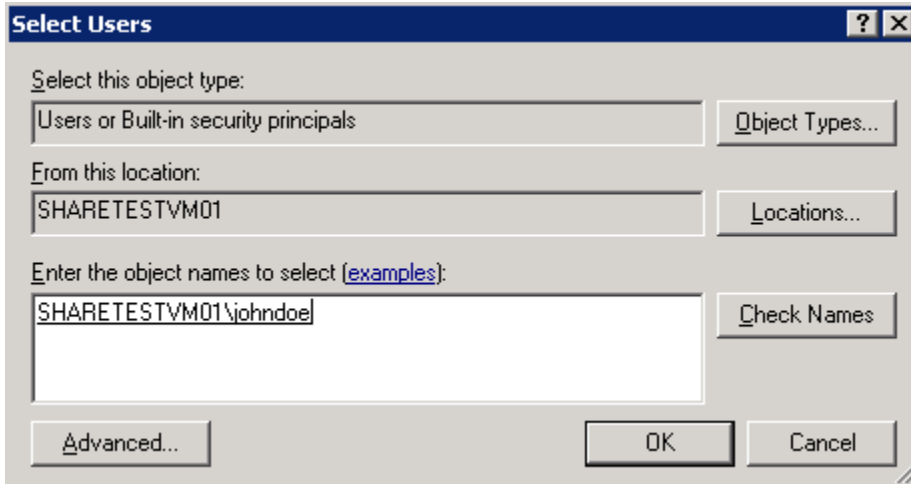
ObjectName (example: Computer1)

UserName (example: User1)

ObjectName@DomainName (example: User1@Domain1)

DomainName\ObjectName (example: Domain1\User1)

6. Click the **Check Names** button to find the user or group, which will appear in the text box once it is located.



7. Click **OK**, and you will notice the user or group now appears in the **Members** list in the **WSS_WPG Properties** dialog box.
8. Click **OK** again to close the dialog box. The user or group will now be able to view ComponentOne WebParts.

To add a user to the Home Members, Home Owners, or Home Visitors group in SharePoint, complete the following steps:

1. Open your SharePoint site, and click the **Site Actions** menu.
2. Select **Site Settings** and then choose **People and Groups**.
3. Select **Home Members** or **Home Owners** from the list of **Groups** on the left side of the page.
4. Select **New | Add Users**.
5. Enter the name of the user in the **Users/Groups** text box.

In the **Give Permission** drop-down list, **Home Member [Contribute]**, **Home Owners [Full Control]**, or **Home Visitors [Read]** will be selected. You can change the selection as needed.

You can also choose to **Give users permission directly**. Select the control option for the user here. Users must have **Contribute** permission or greater in order to edit ComponentOne Web Parts.

6. Click **OK** to add the user to the group.

Technical Support

ComponentOne offers various support options. For a complete list and a description of each, visit the ComponentOne Web site at <http://www.componentone.com/Support>.

Some methods for obtaining technical support include:

- **Online Support via [HelpCentral](#)**
ComponentOne HelpCentral provides customers with a comprehensive set of technical resources in the form of [FAQs](#), [samples](#), [Version Release History](#), [Articles](#), searchable [Knowledge Base](#), searchable [Online Help](#) and more. We recommend this as the first place to look for answers to your technical questions.

- **Online Support via our Incident Submission Form**
This online support service provides you with direct access to our Technical Support staff via an [online incident submission form](#). When you submit an incident, you'll immediately receive a response via e-mail confirming that you've successfully created an incident. This email will provide you with an Issue Reference ID and will provide you with a set of possible answers to your question from our Knowledgebase. You will receive a response from one of the ComponentOne staff members via e-mail in 2 business days or less.
- **Peer-to-Peer Product Forums and Newsgroups**
ComponentOne peer-to-peer product [forums and newsgroups](#) are available to exchange information, tips, and techniques regarding ComponentOne products. ComponentOne sponsors these areas as a forum for users to share information. While ComponentOne does not provide direct support in the forums and newsgroups, we periodically monitor them to ensure accuracy of information and provide comments when appropriate. Please note that a ComponentOne User Account is required to participate in the ComponentOne Product Forums.
- **Installation Issues**
Registered users can obtain help with problems installing ComponentOne products. Contact technical support by using the online incident submission form or by phone (412.681.4738). Please note that this does not include issues related to distributing a product to end-users in an application.
- **Documentation**
ComponentOne documentation is available with each of our products in HTML Help, Microsoft Help 2.0 (WPF, .NET, ASP.NET and Mobile Device products only), and NetHelp format. The NetHelp version of the documentation is also available on [HelpCentral](#). If you have suggestions on how we can improve our documentation, please email the [Documentation team](#). Please note that e-mail sent to the [Documentation team](#) is for documentation feedback only. [Technical Support](#) and [Sales](#) issues should be sent directly to their respective departments.

Note: You must create a ComponentOne Account and register your product with a valid serial number to obtain support using some of the above methods.

About this Documentation

This is the CTP (community technology preview) release of ComponentOne WebParts for SharePoint. ComponentOne WebParts for SharePoint and this documentation is subject to change without notice.

Acknowledgements

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ComponentOne Doc-To-Help

This documentation was produced using [ComponentOne Doc-To-Help® Enterprise](#).

Key Features

The following features are available to all of the Web Parts included with ComponentOne WebParts for SharePoint:

- Choose Microsoft SharePoint lists or SQL Server tables or views as your data source
ComponentOne Web Parts for SharePoint gives you the option of using Microsoft SharePoint lists or SQL Server tables or views as the data source for any of your Web Parts. See [Using a SharePoint List Data Source](#) or [Using a SQL Server Table Data Source](#) for more information.
- Sort and filter SharePoint lists and SQL Server tables or views
ComponentOne Web Parts allow you to sort and filter the SharePoint list or SQL Server database table/view you choose as your data source. Sorting and filtering is performed on the server. For more information, see [Sorting and Filtering Lists and Tables](#).

The following features are specific to each of the individual Web Parts.

C1Maps Web Part Features

- Choose from three Microsoft Live Search Maps displays
Select from Microsoft Live Search Maps' Virtual Earth Aerial, Virtual Earth Road, or Virtual Earth Hybrid display. For an example of each, see the [Setting the Initial Map Display](#) topic.
- Add customized annotations to enhance your map
You can set the style, behavior, type, and zoom factor for your annotations. See [Formatting Annotations](#) for more information.

C1DataGrid Web Part Features

- Provide users with an interactive grid
Users can move, filter, and sort columns; and resize rows and columns with the C1DataGrid Web Part. See the [C1DataGrid Web Part](#) topic for instructions.
- Display hierarchical data
The C1DataGrid Web Part supports automatic hierarchical data representation. In other words, you can specify a master, or parent, table that is linked by key fields to a detail, or child, table. When master-detail view is enabled, you can click the drop-down arrow in the row's record selector column to see the detail view. See [Displaying a Hierarchical Grid](#) for more information.

C1Chart Web Part Features

- Choose from 30 available chart types
Choose from the standard chart types (bar, line, pie, bubble, and more) or select a more advanced chart type such as the doughnut or radar chart. For a list and description of available charts, see [C1Chart Types](#).
- Choose from 14 built-in themes for easy customization
Customize the appearance of your chart with built-in Office 2007, Vista, and Office 2003 themes. See [C1Chart Themes](#) for an example of each theme.

- Choose from 23 palette options to color your grid

Choose from 23 palette options to define the colors of your chart and legend items. See [C1Chart Palette](#) for an example of each option.

- Easily create a fully customizable chart

The C1Chart Web Part is fully customizable. Not only can you change the chart type and colors, but you can: add labels, rotate axis annotations, configure axis units, change the position and layout of the legend, and even add notes to your chart. For more information, see the [C1Chart Web Part](#) topic.

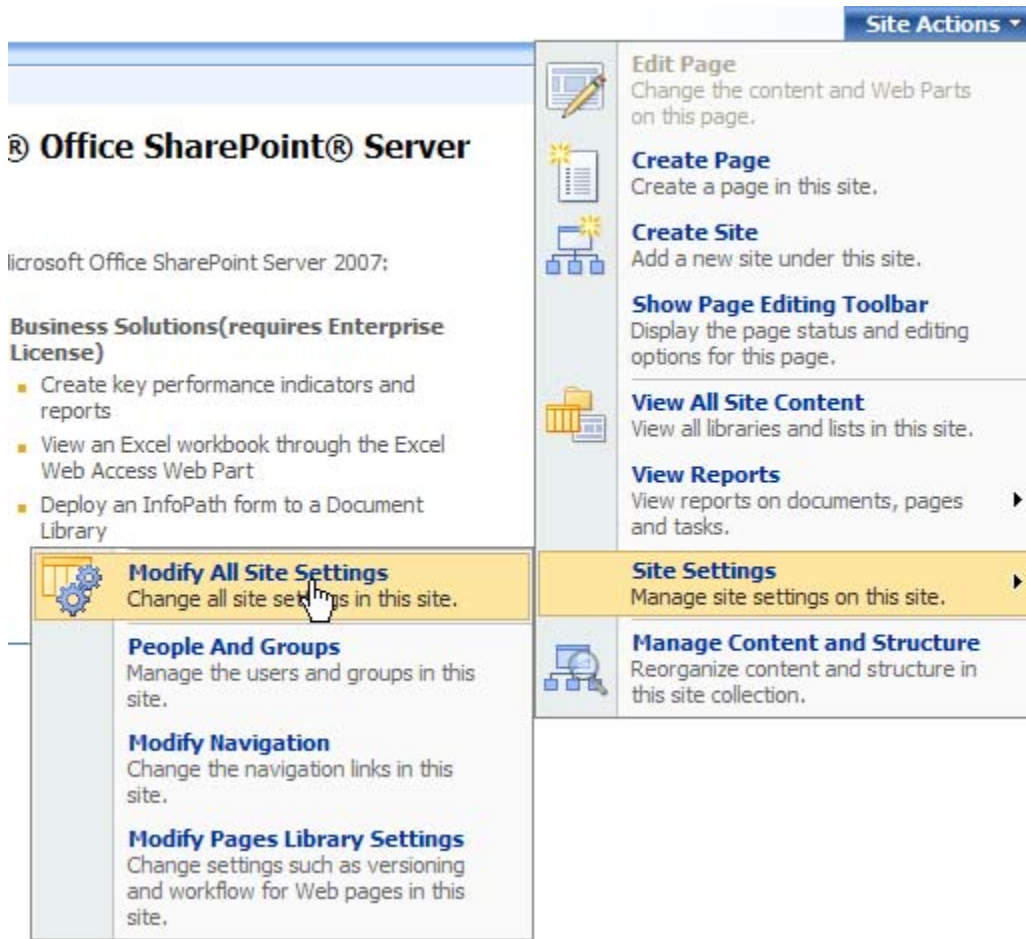
Using ComponentOne Web Parts

The following topics explain how to perform tasks that are common to all ComponentOne Web Parts, including: activating, adding to a page in your site, accessing properties, resizing, importing and exporting, and using a SQL Server table or view as a data source for Web Parts.

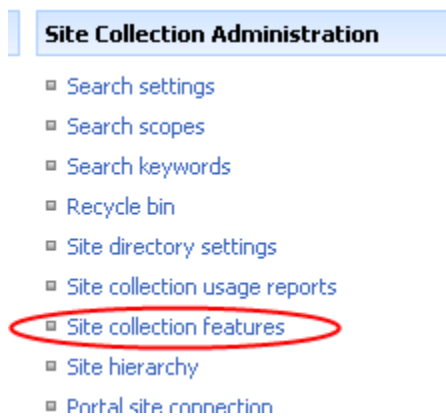
Activating ComponentOne Web Parts

During installation, the ComponentOne Web Parts are automatically activated so they can be added to your SharePoint site. If you need to activate ComponentOne Web Parts manually, complete the following steps:

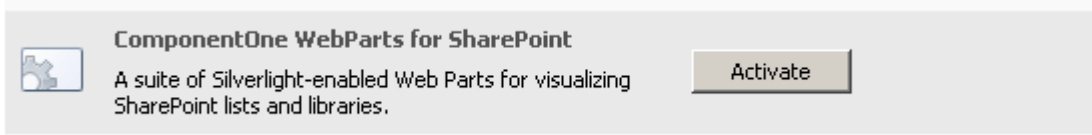
1. Open your SharePoint site, and click the **Site Actions** menu.
2. Select **Site Settings** and then choose **Modify All Site Settings**.



3. On the **Site Settings** page, select **Site collection features** located under **Site Collection Administration**.



4. Click the **Activate** button next to **ComponentOne WebParts for SharePoint**. A blue **Active** box will appear in the **Status** column, signifying that the **ComponentOne WebParts** can now be used.



ComponentOne WebParts for SharePoint
A suite of Silverlight-enabled Web Parts for visualizing SharePoint lists and libraries.

Activate

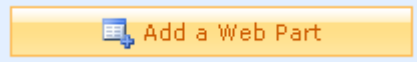
Note: To deactivate a Web Part, click the **Deactivate** button.

Adding ComponentOne Web Parts to a Page

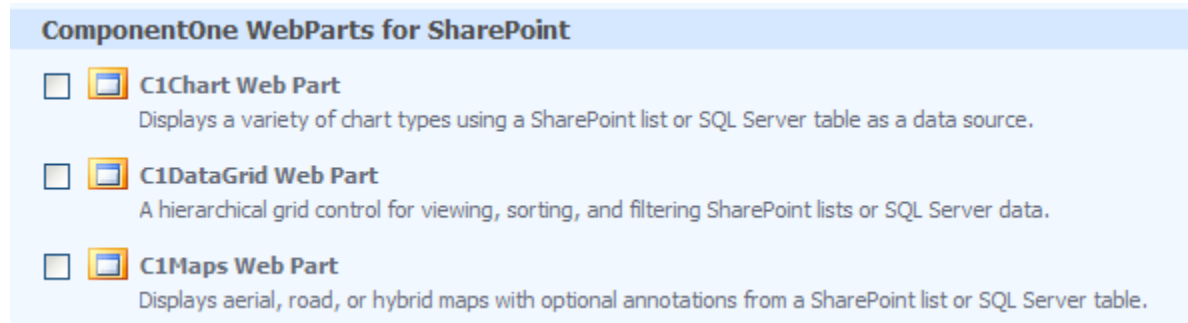
Once the **ComponentOne WebParts** have been activated, you can begin using them. To add ComponentOne Web Parts to a page, complete the following steps:

1. Select the page of the site where you would like to add Web Parts.
2. Click the **Site Actions** menu and select **Edit Page**. Note that this option will be disabled for pages that you do not have permission to edit.

The page is now in edit mode. Each zone that can include a Web Part will contain an **Add a Web Part** button



3. Click the **Add a Web Part** button in the zone where you would like to add a ComponentOne Web Part. The **Add Web Parts** dialog box appears.
4. Expand the **All Web Parts** node if it is collapsed, and scroll to locate **ComponentOne WebParts for SharePoint**.





ComponentOne WebParts for SharePoint

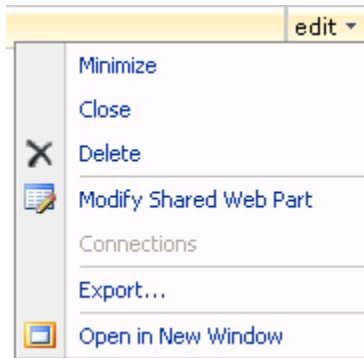
- C1Chart Web Part**
Displays a variety of chart types using a SharePoint list or SQL Server table as a data source.
- C1DataGrid Web Part**
A hierarchical grid control for viewing, sorting, and filtering SharePoint lists or SQL Server data.
- C1Maps Web Part**
Displays aerial, road, or hybrid maps with optional annotations from a SharePoint list or SQL Server table.

Note: If **ComponentOne WebParts for SharePoint** does not appear in the list, it may not have been installed.

5. Select one of the Web Parts and click the **Add** button at the bottom of the dialog box. The Web Part is added to the page.
6. Select **Page | Save** or click **Check In to Share Draft** or **Publish** to save the Web Part to the page.

ComponentOne Web Parts Standard Menu

All ComponentOne Web Parts have the same standard menu. To access this menu, click the drop-down arrow  in the upper-right corner of the ComponentOne Web Part. Note that if the page is in edit mode, the drop-down arrow appears on an **edit** button .





Use this menu to perform the following commands:

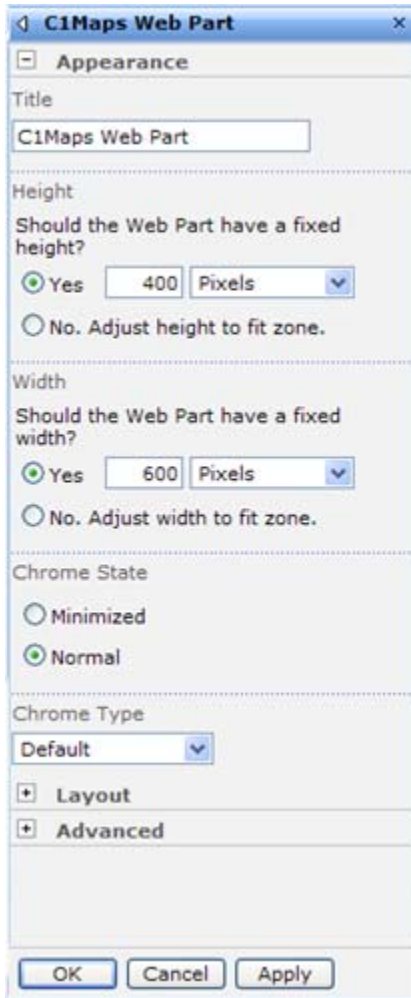
Menu Command	Description
Minimize	Minimizes the Web Part.
Close	Closes the Web Part.
Modify Shared Web Part	Displays a list of SharePoint properties for the Web Part.
Export	Allows you to export the Web Part to a .webpart file.
Open in New Window	Allows you to view and edit the Web Part in a separate modal dialog window.

SharePoint Properties for ComponentOne Web Parts

All ComponentOne Web Parts have the same SharePoint properties. These properties, in general, affect how the Web Part is displayed on the page.

To access these properties:

1. Click the drop-down arrow  in the upper-right corner of the ComponentOne Web Part. Note that if the page is in edit mode, the drop-down arrow appears on an **edit** button .
2. Select **Modify Shared Web Part**. A Web Part properties list appears to the right of the page. For example, here is the C1Maps Web Part properties list:



Each of the Web Part properties is described below:

Appearance

Title	Defines the text that appears above the Web Part.
Height	Define a specific height or adjust the Web Part to fit the zone that contains it.
Width	Define a specific width or adjust the Web Part to fit the zone that contains it.
Chrome State	Select <i>Normal</i> to display the Web Part when the page is opened. Select <i>Minimized</i> to display only the title bar.
Chrome Type	A drop-down list that defines whether the Web Part will have a title bar and/or a border.

Layout



Hidden	Determines whether the Web Part is hidden.
Direction	Sets the text direction.
Zone	Determines the zone that contains the Web Part.
Zone Index	Specifies the position of the Web Part in a zone when the zone contains more than one Web Part.

Advanced

Allow Minimize	Determines if the Web Part can be minimized.
Allow Close	Determines if the Web Part can be closed.
Allow Hide	Determines if the Web Part can be hidden.
Allow Zone Change	Determines if the Web Part can be moved to a different zone.
Allow Connections	Determines if the Web Part can be connected to other WebParts.
Allow Editing in Personal View	Determines if the Web Part can be edited in a personal view.
Export Mode	A drop-down list that determines if and what type of data (all or non-sensitive only) can be exported from this Web Part.
Title URL	Web address path to an HTML file that holds optional information about the Web Part.
Description	Defines the Web Part's description.
Help URL	Sets the location of a Help file containing Help on the Web Part.
Help Mode	Determines how the browser will display the Web Part's Help.
Catalog Icon Image URL	Sets the location of the Web Part's icon.
Title Icon Image URL	Sets the location of the image used in the title bar.
Import Error Message	Defines the error text pertaining to importing the Web Part.
Target Audiences	Allows for the Web Part to be displayed only to certain groups of people. You can browse groups and audiences and check individual names.

Resizing ComponentOne Web Parts

You can change the size of a Web Part using its SharePoint properties. To resize ComponentOne Web Parts, complete the following steps:



1. Select the page of the site where you would like to resize a Web Part.
2. Click the drop-down arrow  in the upper-right corner of the ComponentOne Web Part. Note that if the page is in edit mode, the drop-down arrow appears on an **edit** button .
3. Select **Modify Shared Web Part**. A Web Part properties list appears to the right of the page.
4. Under the **Appearance** node, there are properties for **Height** and **Width**. Choose to set the height and width to absolute values measured in pixels, or you can have the Web Part fill the zone that contains it.
5. Click **Apply** to save your changes. The page will update to reflect your changes.

Note: Depending on how the page is set up, you may need to click **Check In to Share Draft** or **Publish** to commit these changes.

Exporting ComponentOne Web Parts

You can export configured Web Parts to be used in other SharePoint sites. To export Web Parts, complete the following steps:

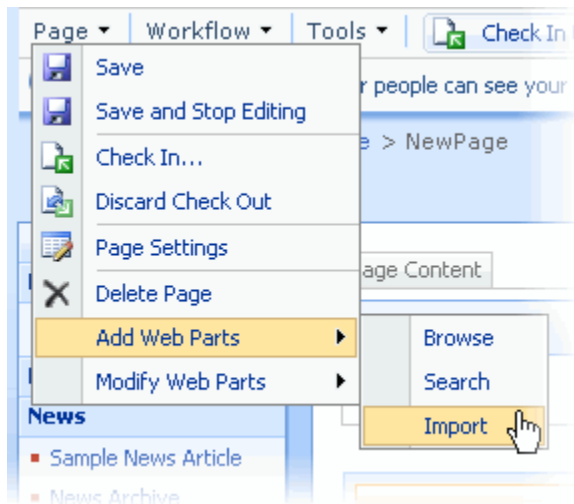
1. Select the page of the site containing the Web Part you want to export.

2. Click the drop-down arrow  in the upper-right corner of the ComponentOne Web Part. Note that if the page is in edit mode, the drop-down arrow appears on an **edit** button .
3. Select **Export**.
4. Click **Save** and save the .webpart file to the desired location.

Importing ComponentOne Web Parts

You can easily import configured Web Parts into your SharePoint site. To do this, complete the following steps:

1. Open a page of the site where you want to import a Web Part.
2. Select **Page | Add Web Parts | Import** to import an existing Web Part.



The **Add Web Parts** menu will open on the right side of the page.

3. In the **Add Web Parts** menu, select the **Browse** button to locate a file.
4. In the **Open File** dialog box, select a .webpart file and click **Open**.
5. In the **Add Web Parts** menu, select **Upload** to upload the selected file.

The selected file will now appear in the **Uploaded Web Part** list in the **Add Web Parts** menu.

6. With a file in the **Uploaded Web Part** list selected, click the **Add to** drop-down box and select a location to add the file.
7. Click the **Import** button to import the file to the chosen location.

Using a SharePoint List Data Source

You have the option of choosing a Microsoft SharePoint list or a SQL Server table or view as the data source for your C1 Web Part.

To use a SharePoint list as your data source, complete the following steps:

1. Click the icon in the top left corner of the C1 Web Part.
2. Under **Data Source**, click the **SharePoint Lists** tab and select the name of your site. All of the lists in your site are shown here.

3. Scroll the list and select the desired list.
4. Click **Save Web Part**. Other options for customizing the display of the data source may be available for the Web Part. See [Setting the C1Maps Data Source](#), [Setting the C1DataGrid Data Source](#), or [Setting the C1Chart Data Source](#) for more information.

Using a SQL Server Table Data Source

Not only can you choose Microsoft SharePoint lists as the data source for your C1 Web Parts, but you can also use SQL Server tables or views.

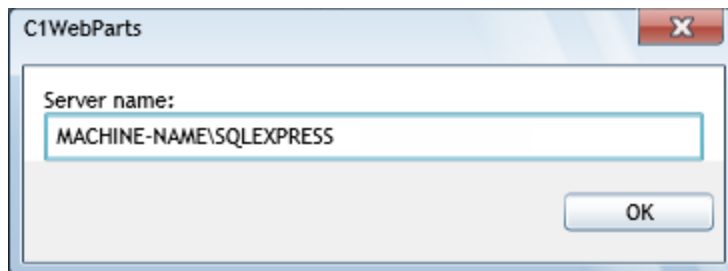
Once ComponentOne Web Parts for SharePoint is installed, administrators can specify a list of servers that will always appear in the Servers menu for all of the C1 Web Parts by editing the following file that is installed with the product:

C:\Inetpub\wwwroot\wss\VirtualDirectories\80\resources\C1WebParts\config.xml

Depending on cache settings, changes to this file may not be reflected immediately.

To use a SQL Server table or view as your data source, complete the following steps:

1. Click the icon in the top left corner of the ComponentOne Web Part.
2. Under **Data Source**, click the **SQL Server** tab, click **Servers**, and then click **More**.
3. Enter the name of the SQL Server instance. For example:



If you are authorized, another menu will open with a list of SQL Server databases (catalogs).

4. Select the desired database, and the available tables and views will be displayed below the menu.
5. Select one of the tables or views to specify a data source for the Web Part.
6. Click **Save Web Part**. Other options for customizing the display of the data source may be available for the Web Part. See [Setting the C1Maps Data Source](#), [Setting the C1DataGrid Data Source](#), or [Setting the C1Chart Data Source](#) for more information.

Sorting and Filtering Lists and Tables




ComponentOne Web Parts allow you to sort and filter the SharePoint list or SQL Server database table/view you choose as your data source. Sorting and filtering is performed on the server.

To sort and filter data, complete the following steps:

1. Click the icon in the top left corner of the ComponentOne Web Part.
2. Under **Data Source**, click the arrow next to the SharePoint list or SQL Server table/view. For more information on configuring the data source, see [Using a SharePoint List Data Source](#) or [Using a SQL Server Table Data](#)

[Source](#). The list or table tree view is replaced by a grid display where you can specify columns to be fetched, the sort order, and filter criteria. The grid display is similar to query builders in Microsoft products.

	Column	Output	Sort Type	Sort Order
>	State	<input checked="" type="checkbox"/>		
	Capital	<input checked="" type="checkbox"/>		
	Longitude	<input checked="" type="checkbox"/>		
	Latitude	<input checked="" type="checkbox"/>		
	ST	<input checked="" type="checkbox"/>		

3. If you would like all columns to be used in the sort or filter, click the **Include all columns** button  in the grid's toolbar. If you have a long list of columns, and you want to specify only a few to be included in the sort or filter, you may want to click the **Exclude all columns** button  and then check the checkbox in the **Output** column for each column to be included.
4. To sort data, complete the following steps:
 - a. Click in the **Sort Type** column for the item you would like to sort. A drop-down list appears.
 - b. Select **Descending**, **Ascending**, or **Unsorted**, depending on how you would like the data to be sorted.
 - c. Click in the **Sort Order** column. A listbox appears.
 - d. Use the arrows to enter a number to determine the sequence in which the columns will be sorted (for example, enter **1** to have items in the specified column sorted first).
5. To filter data, complete the following steps:
 - a. Click the row selector for the column to filter.
 - b. Click the **Add filter condition** button  in the toolbar.
 - c. Enter a filter expression under **Filter**. You can use multiple filter expressions by entering them in the **Or** columns.

Expressions must start with an operator, such as one of the following:

= (or ==) <= <
<> (or !=) >= >


For SQL Server, string constants in expressions must be enclosed in single quotes. For SharePoint lists, the single quotes are optional.

Column	Output	Sort Type	Sort Order
State	<input checked="" type="checkbox"/>		
Capital	<input checked="" type="checkbox"/>		
Longitude	<input checked="" type="checkbox"/>		
Latitude	<input checked="" type="checkbox"/>		
ST	<input checked="" type="checkbox"/>		

Column	Filter	Or...	Or...
ST	=PA	=MD	

Note: To return to the site lists (SharePoint) or to the list of tables/views (SQL Server) from the grid display, click **Sites | Home** or click the database name in the menu bar.

To remove a filter, complete the following steps:

1. Click the row selector next to the filter you would like to remove.
2. Click the **Remove filter condition** button  in the toolbar.

To view the text version of the sort and filter conditions:

Click the **Show as text** button  in the toolbar. The text appears.

```

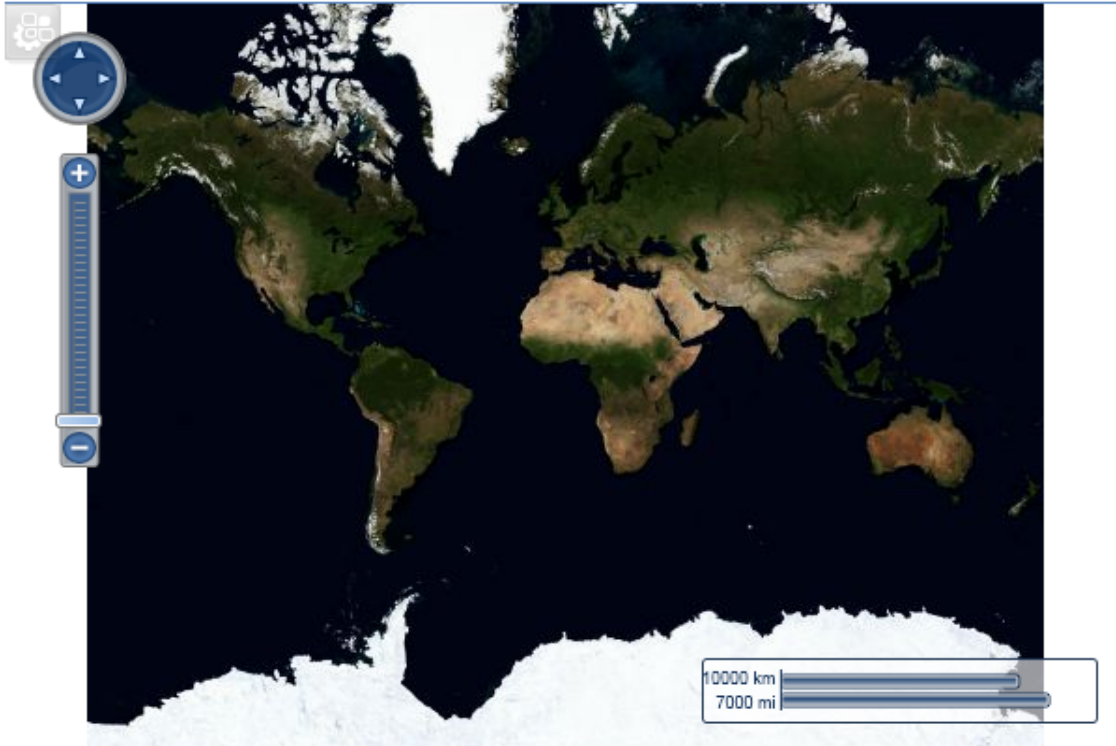
StateCapitals
<List>
  <ViewFields>
    <FieldRef Name="Title"/>
    <FieldRef Name="Capital"/>
    <FieldRef Name="Longitude"/>
    <FieldRef Name="Latitude"/>
    <FieldRef Name="ST"/>
  </ViewFields>
  <Query>
    <Where>
      <Or>
        <Eq><FieldRef Name="ST"/><Value Type="Text">PA</Value></Eq>
      </Or>
      <Eq><FieldRef Name="ST"/><Value Type="Text">MD</Value></Eq>
    </Where>
  </Query>
</List>
  
```

OK

C1Maps Web Part

The C1Maps Web Part displays highly-detailed maps from Microsoft Live Search Maps, providing a rich, interactive user experience. Choose from a variety of different map views, and you can even choose to include your own annotations retrieved from a SharePoint list or SQL Server table.

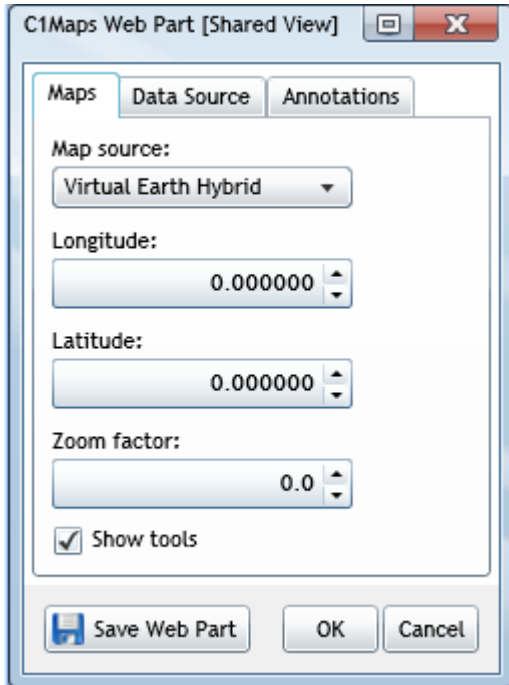
C1Maps Web Part







C1Maps Web Part Configuration Properties

The C1Maps Web Part configuration properties allow you to choose a map display, specify a location by longitude and latitude coordinates, specify a zoom factor, and select the SharePoint list or SQL Server table or view used to retrieve your annotations if you would like them included on the map.

By clicking the icon in the upper left corner of the C1Maps Web Part, you can access the configuration properties dialog box.



The following table describes the buttons in the dialog box.

Button	Description
	The Save Web Part button updates the running web part instance and saves the web part's properties to the SharePoint server for future page visits. Clicking this button implicitly performs the OK action before persisting the properties. This button closes the editor.
	The OK button updates the running web part instance but does not save the changes for future page visits. This allows users to test their changes before saving them. This button closes the editor.
 	The Cancel and Close buttons close the editor without updating anything. If the editor is reopened, its controls are reset to the last saved state. These buttons close the editor.

Setting the Initial Map Display

The **Maps** properties allow you to specify the type of map to display, the default latitude and longitude coordinates of your map when it is initially shown, how magnified the map appears, and whether the scale and zoom tools should be displayed on the map.

Maps | **Data Source** | Annotations

Map source:
 Virtual Earth Hybrid ▾

Longitude:
 0.000000 ▾

Latitude:
 0.000000 ▾

Zoom factor:
 0.0 ▾

Show tools

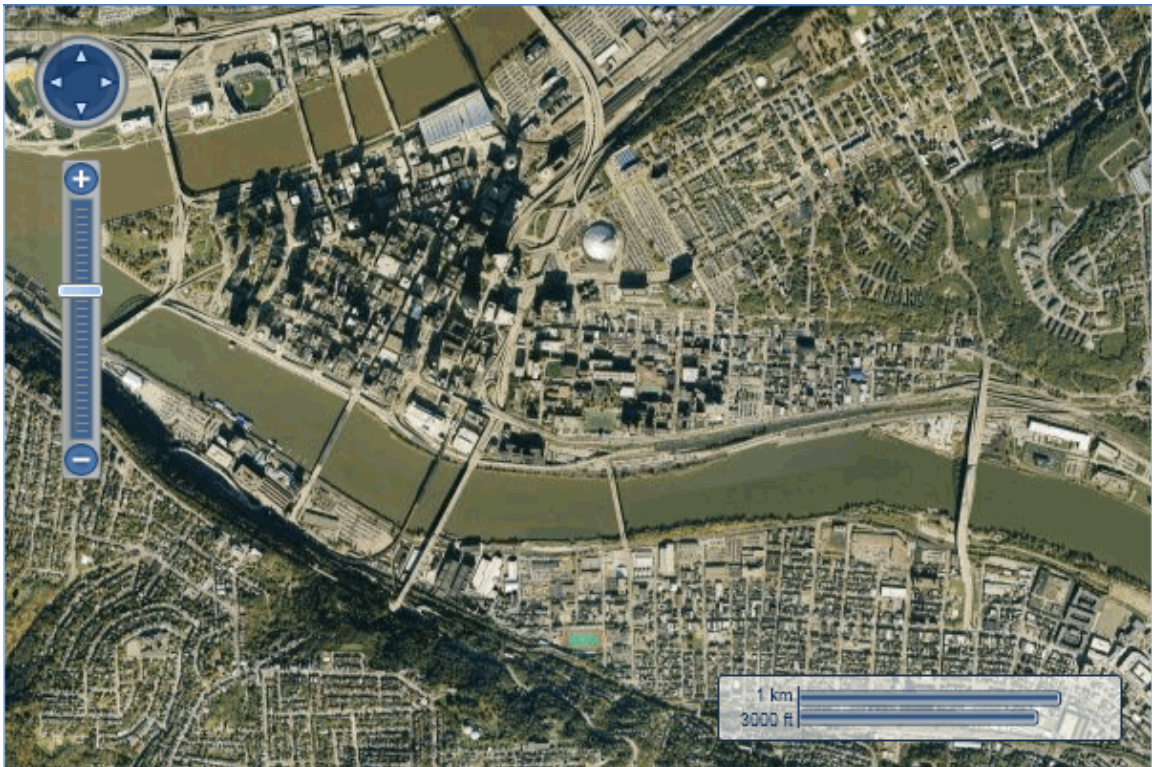
Save Web Part | OK | Cancel

Map source

To change the map view, simply click the drop-down arrow under **Map source** and choose one of the map types from the list. *Virtual Earth Hybrid* is the default display.

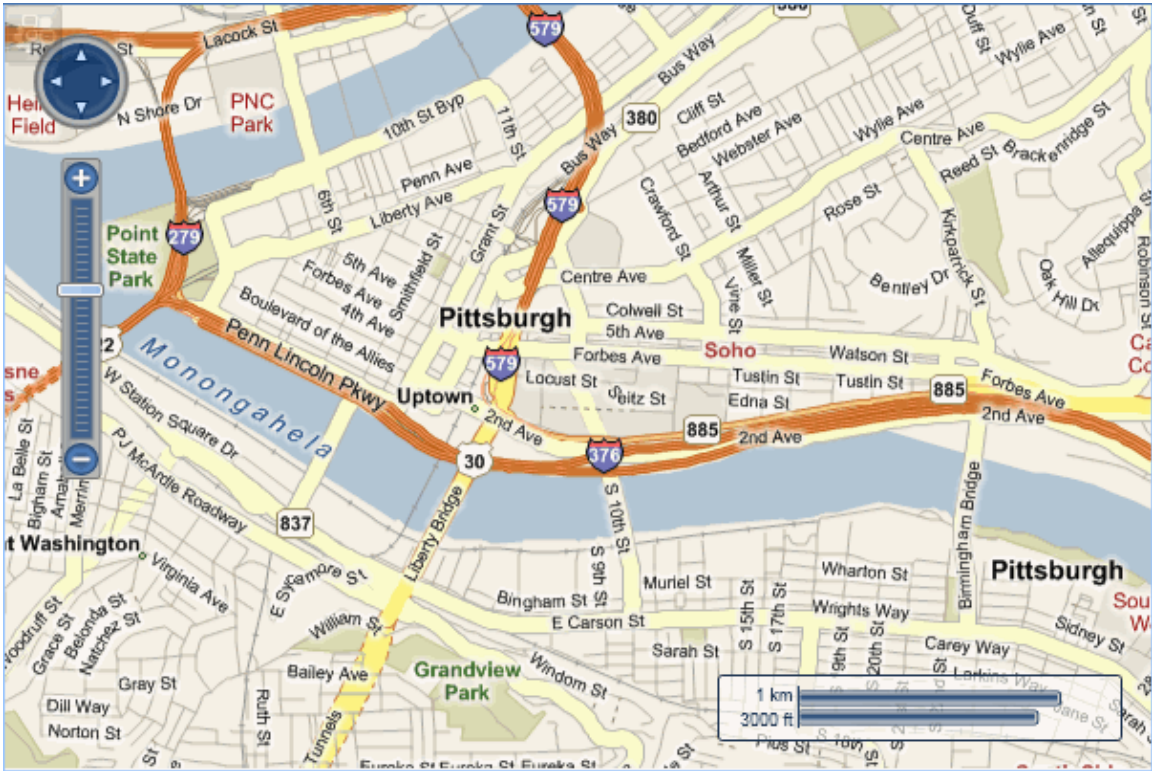
- **Virtual Earth Aerial**

Displays an aerial satellite view of a location.



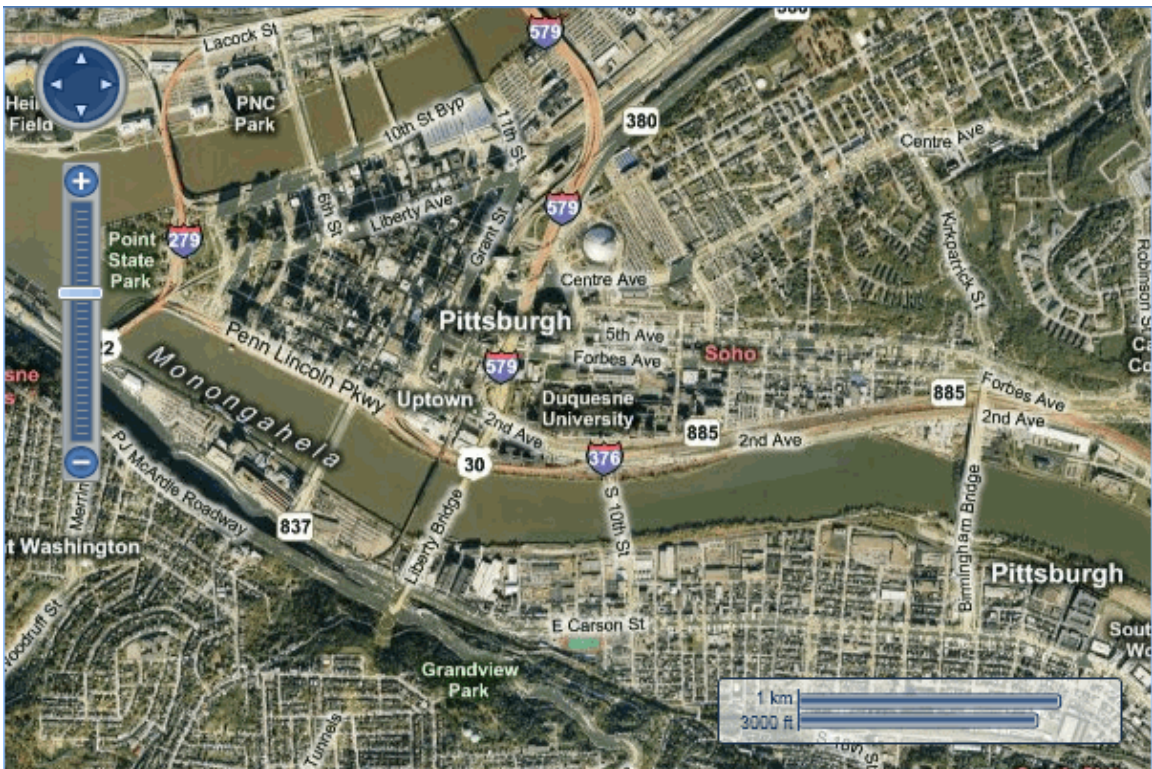
- **Virtual Earth Road**

Displays a road map view of a location.



- **Virtual Earth Hybrid**

Displays a combination aerial satellite and road map view of a location.



Longitude and Latitude

To change the coordinates, use the arrows on the **Latitude** and **Longitude** list boxes or enter a new coordinate.

Zoom factor

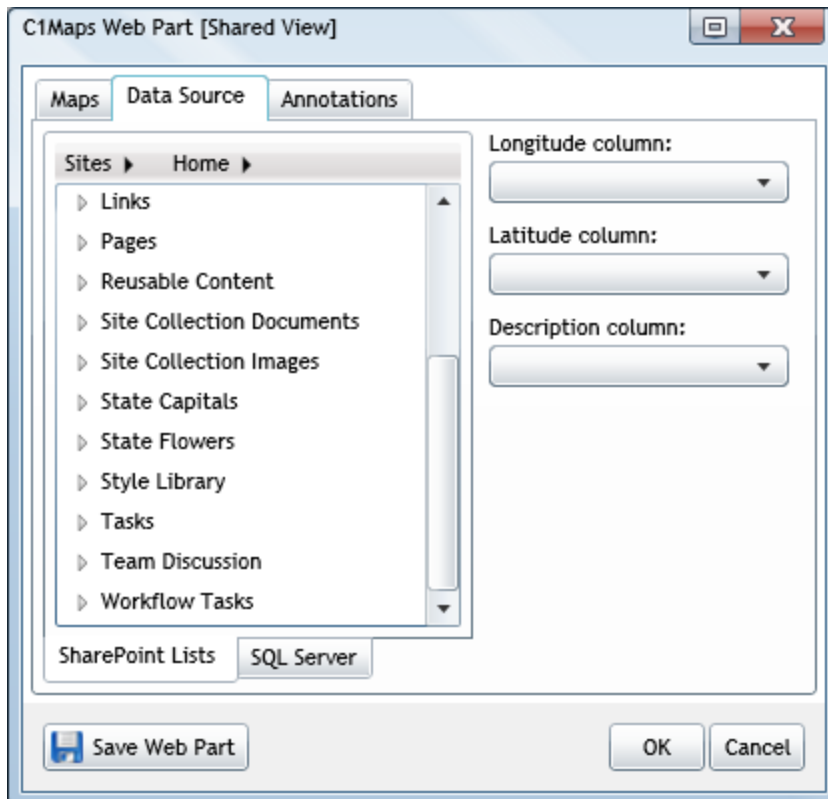
You can determine how magnified the map appears using the **Zoom factor**. Use the arrows or enter a new zoom number in the **Zoom factor** list box.

Show tools

Check the **Show tools** check box to show the direction and scale/zoom tool on the map. The direction tool allows users to move across the right, left, top, or bottom of the map. The scale/zoom tool allows users to zoom in or out, increasing or decreasing the magnification of the map.

Setting the C1Maps Data Source

A SharePoint list or SQL Server table or view can serve as your data source and contain any annotations that you would like to appear on your map. Using the Data Source section of the C1Maps Web Part configuration dialog box, you can choose a source list or database and specify the columns that contain your notes and the exact location they should appear on the map

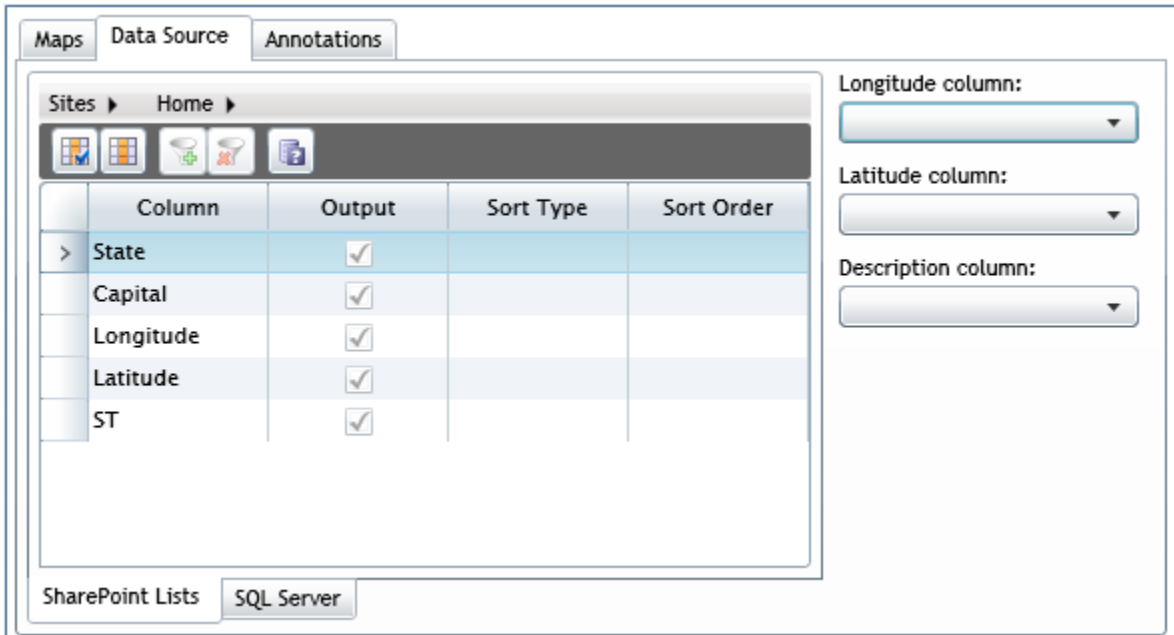


Using a SharePoint List

To specify the SharePoint source list you would like to use for your map annotations, complete the following steps:

1. In the **Data Source** area of the dialog box, click the **SharePoint Lists** tab.
2. Click **Sites** in the top menu bar. A list of available SharePoint sites appears.

3. Select the desired site. Clicking the arrow next to the list displays available columns within that site. For example:



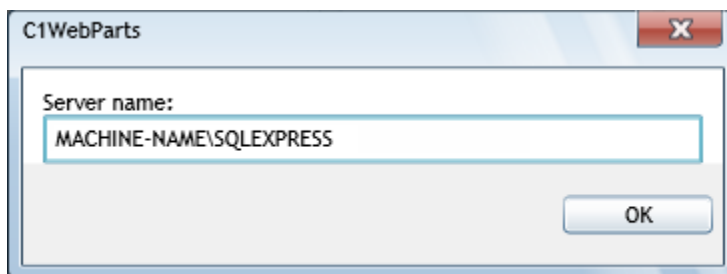
Note that users without **Contribute** permissions will be restricted to the initial list display.

4. Click the drop-down arrow under **Longitude column**. All of the columns in your SharePoint list are listed.
5. Select the column to be used to specify longitude coordinates on the map.
6. Click the drop-down arrow under **Latitude column**, and select the column to be used to specify latitude coordinates on the map.
7. Click the drop-down arrow under **Description column**, and select the column to be used to provide the text of the marker style.

Using a SQL Server Table or View

To specify the SQL Server table or view you would like to use for your map annotations, complete the following steps:

1. Click the icon in the top left corner of the C1Maps Web Part.
2. Under **Data Source**, click the **SQL Server** tab, click **Servers**, and then click **More**.
3. Enter the name of the SQL Server instance. For example:

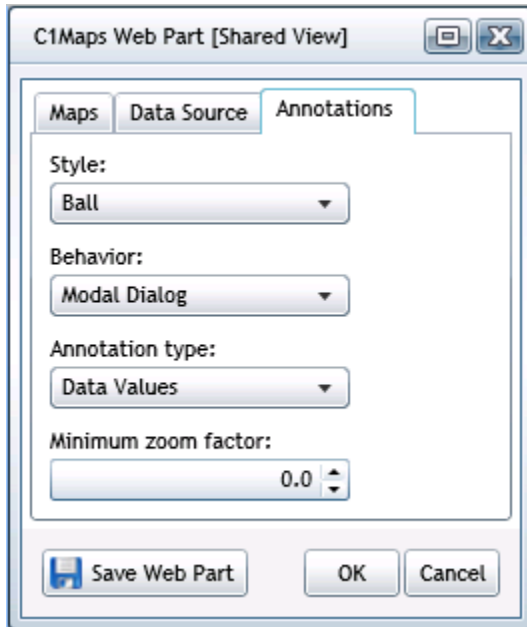


4. Click **OK**. If you are authorized, another menu will open with a list of SQL Server databases (catalogs).

5. Select the desired database, and the available tables and views will be displayed below the menu.
6. Select one of the tables or views to specify a data source for the Web Part.
7. Click the drop-down arrow under **Longitude column**. All of the columns in your SharePoint list are listed.
8. Select the column to be used to specify longitude coordinates on the map.
9. Click the drop-down arrow under **Latitude column**, and select the column to be used to specify latitude coordinates on the map.
10. Click the drop-down arrow under **Description column**, and select the column to be used to provide the text of the marker style.

Formatting Annotations

Using the **Annotations** properties, you can determine how you want the markers indicating annotations on your map to look.



Annotation Properties

Property	Description
Style	Determines the style for the markers that indicate annotations on the map. Markers include <i>Ball</i> , <i>Ball Pin</i> , <i>Flag</i> , <i>Push Pin</i> , or <i>Star</i> .
Behavior	Determines the behavior of the window that displays your annotations. Choose <i>Modal Dialog</i> , <i>Modeless Dialog</i> , or <i>Tooltip</i> .
Annotation type	Determines the annotation used. Choose <i>Street Map Inset</i> to show a close-up of the street map, or choose <i>Data Values</i> to show the data retrieved from your list or SQL Server table or view.
Minimum zoom factor	If <i>Street Map Inset</i> is chosen for the annotation type , this determines the zoom factor of the map.

To format the annotation markers:

1. Click the drop-down arrow under **Style**, and select from *Ball*, *Ball Pin*, *Flag*, *Push Pin*, or *Star*.

2. Click the drop-down arrow under **Behavior**, and select from *Modal Dialog*, *Modeless Dialog*, or *Tooltip*.
3. Click the drop-down arrow under **Annotation type** and select from *Street Map Inset* and *Data Values*.
4. Use the arrows or enter a number in the **Minimum zoom factor** list box to determine how magnified the marker text is.
5. Click **Save Web Part** to close the configuration properties dialog box. Your annotations appear on the map.

C1DataGrid Web Part

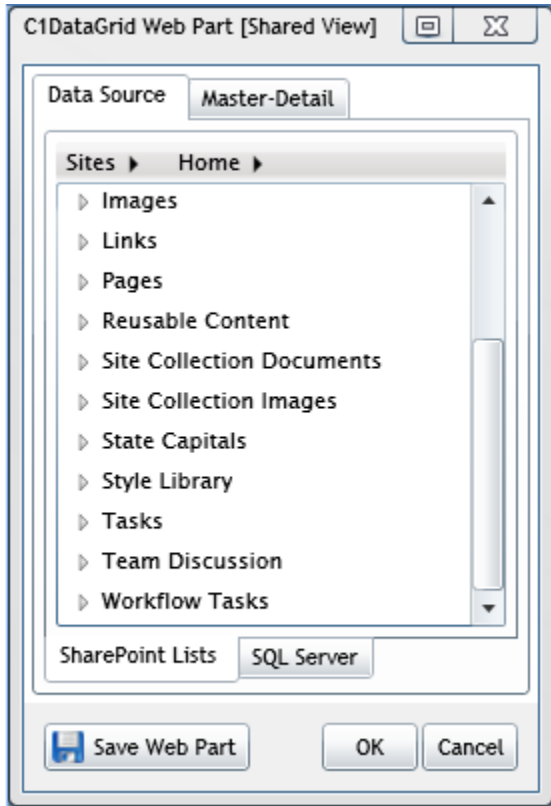
The C1DataGrid Web Part provides a rich, scrollable grid to display your SharePoint lists or SQL Server tables. Users can work with the grid interactively: they can move, filter, resize, and sort columns; and resize rows.

C1DataGrid Web Part

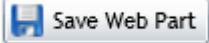



Capital	Longitude	Latitude	ST
Montgomery	-86.300280684889	32.3778448300578	AL
Juneau	-134.419720089079	58.3019435628538	AK
Institution Rank State 2007 Endowment 2006 Endowment % Change			
Phoenix	-112.097002114648	33.448056962118	AZ
Little Rock	-92.2891966155731	34.74671389912	AR

C1DataGrid Web Part Configuration Properties

The C1DataGrid Web Part properties allow you to select a SharePoint list or SQL Server table or view to display in a grid view. You can also set up your grid to display hierarchical data here. By clicking the icon in the top left corner of the C1DataGrid Web Part, you can access the C1DataGrid Web Part Properties dialog box.



The following table describes the buttons in the dialog box.

Button	Description
	The Save Web Part button updates the running web part instance and saves the web part's properties to the SharePoint server for future page visits. Clicking this button implicitly performs the OK action before persisting the properties. This button closes the editor.
	The OK button updates the running web part instance but does not save the changes for future page visits. This allows users to test their changes before saving them. This button closes the editor.
 	The Cancel and Close buttons close the editor without updating anything. If the editor is reopened, its controls are reset to the last saved state. These buttons close the editor.

Setting the C1DataGrid Data Source

Select a SharePoint list or data from a SQL Server table or view to display in a grid view.

Displaying a SharePoint List

To display a SharePoint list, complete the following steps:

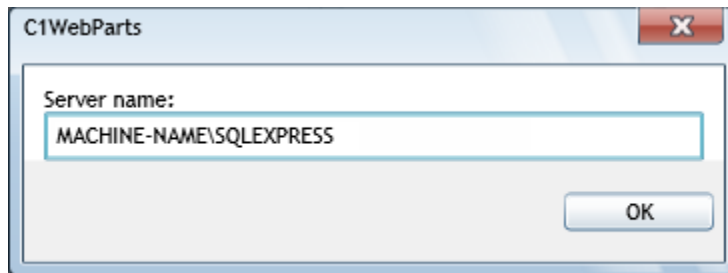
1. Click the icon in the top left corner of the C1DataGrid Web Part.
2. Under **Data Source**, click the **SharePoint Lists** tab and select the name of your site. All of the lists in your site are shown here.
3. Scroll the list and select the desired list.

4. Click **Save Web Part**. The list is displayed in the C1DataGrid Web Part.

Displaying a SQL Server Table or View

To display a SQL Server table or view, complete the following steps:


1. Click the icon in the top left corner of the C1DataGrid Web Part.
2. Under **Data Source**, click the **SQL Server** tab, click **Servers**, and then click **More**.
3. Enter the name of the SQL Server instance. For example:



4. Click **OK**. If you are authorized, another menu will open with a list of SQL Server databases (catalogs).
5. Select the desired database, and the available tables and views will be displayed below the menu.
6. Select one of the tables or views to specify a data source for the Web Part.
7. Click **Save Web Part**. The table or view is displayed.

Displaying a Hierarchical Grid

The C1DataGrid Web Part supports the ability to display hierarchical data, or a master-detail grid. Hierarchical data generally refers to data that is stored in multiple relational tables, where a master, or "parent", table is linked by key fields to detail, or "child", tables. The hierarchical display provides the ability to present the master data to users, such that the related detail data can be viewed in the same grid with a single mouse click. Note that master-detail grids can relate SQL Server data to SharePoint lists and vice versa. For example, your parent table may be from a SQL Server table or view, while your child table is from a SharePoint list.

If a detail grid exists, you'll see a drop-down arrow in the record selector column for each row with a detail grid .

To enable a master-detail grid display:

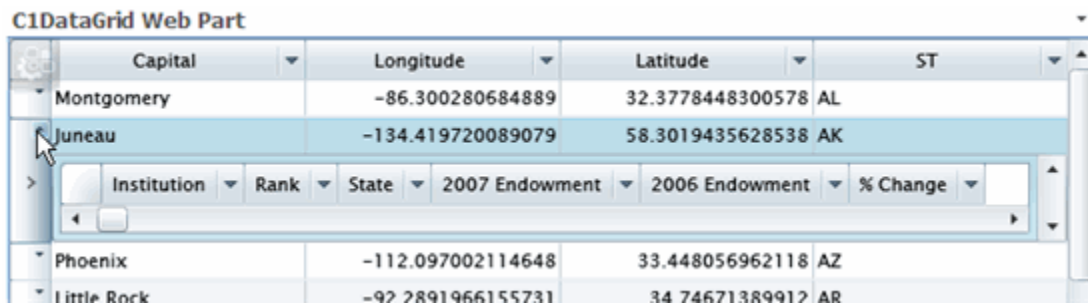
1. Click the icon in the top left corner of the C1DataGrid Web Part to open the properties window.
2. Under **Data Source**, click the **SharePoint Lists** tab and select the name of your site. All of the lists in your site are shown here. Note that you can also use a SQL Server table or view.
3. Scroll the list and select the desired list. This list will populate the master grid.
4. Click the Master-Detail tab.
5. Select a detail list from either the **SharePoint Lists** tab or **SQL Server** tab. This list will populate the detail grid that will appear within the master grid.
6. Click the **Enable master-detail view** checkbox. Note that the master-detail view will not appear in the grid unless this checkbox is checked.
7. Click the drop-down arrow under **Master column**, and select a column from the master list.
8. Click the drop-down arrow under **Detail column**, and select a column from the detail list.

9. Under **Display related columns**, select one of the following options:

All	Displays all columns for both tables or views.
None	Displays no columns.
Master Only	Displays the specified master column only.
Detail Only	Displays the specified detail column only.

10. Click **OK** to close the properties window.

11. In the C1DataGrid Web Part, click the drop-down arrow in a grid row. The detail grid is displayed below the row.

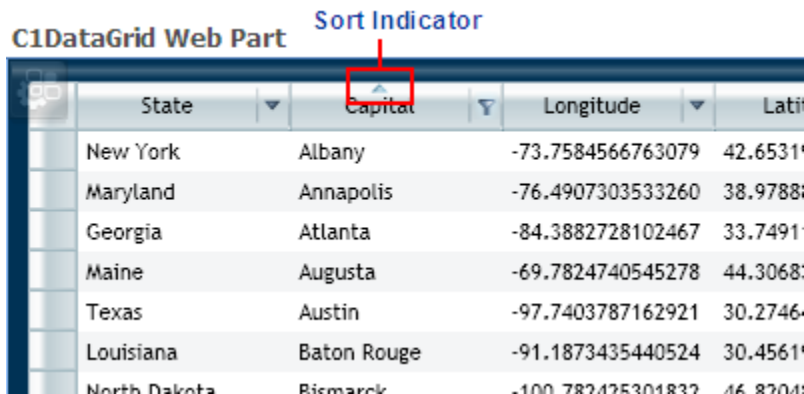


Working with Columns

The following topics explain how to sort, move, resize, and filter columns within a grid.

Sorting Columns

You can sort columns by clicking the column headers. Click a column header once and the sort indicator arrow appears in the column header to indicate the direction of the sort:



Click the header again, and the sort and direction of the sort indicator are reversed:

Sort Indicator

C1DataGrid Web Part

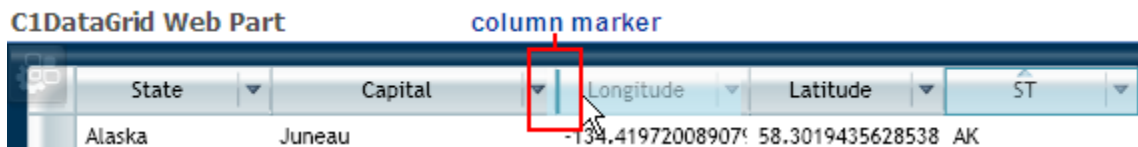
State	Capital	Longitude	Latitude
Kansas	Topeka	-95.6781165783569	39.04811
Florida	Tallahassee	-84.2814103124204	30.43798
Minnesota	St. Paul	-93.1023668129999	44.95444
New Mexico	Santa Fe	-105.939263846866	35.68238
Utah	Salt Lake City	-111.888143519988	40.77657
Oregon	Salem	-123.030608818409	44.93838
California	Sacramento	-121.493173407028	38.57666

Moving Columns

You can move the columns displayed in the C1DataGrid Web Part by dragging the column headers to the desired locations.

To move columns:

1. Select the column header you would like to move.
2. Drag the column header to left of the column where you would like it to appear. Notice the column marker appears bold. The selected column header will be moved the location of the marker.



In the example shown in this image, the **ST** column will be moved to appear in front of the **Longitude** column.

Resizing Columns

You can resize the columns displayed in the C1DataGrid Web Part by dragging the resizing arrow to the desired column width.

To resize columns:

1. Mouse over the divider at the right edge of the column header's filter button. The pointer changes to a horizontal double arrow.




2. Drag the divider to the right or left, making the column smaller or larger, respectively.

Filtering Columns

You can filter columns using the filter buttons in the column headers so that only columns containing the desired letter(s) are shown.

To filter columns:

1. Click the filter button  to the right of the column you would like to filter.
2. Enter the letter(s) you would like to filter on in the **Contains** text box.
3. Click **Filter**. All items containing the letter(s) remain while the other items and their entire row are removed. To remove the filter, click **Clear**.

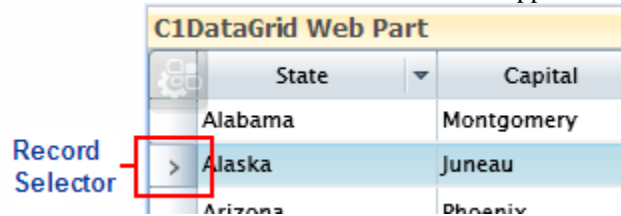
Working with Rows

The following topics explain how to select and resize rows within a grid.

Selecting Rows

You can select one row or a contiguous or non-contiguous range of rows.

If you mouse over the record selector for the row you want to select, then the entire row is highlighted. Simply click the record selector to select the row. An arrow will appear in the row's record selector.



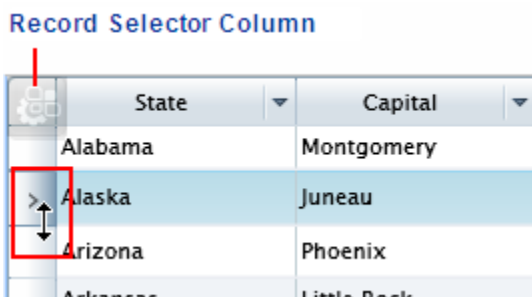
To select a contiguous range of rows, select the first row, hold down the SHIFT button and select the last row in the range. All rows in between will be selected. For a non-contiguous range of rows, hold down the CTRL button and select the rows.

Resizing Rows

You can resize the rows displayed in the C1DataGrid Web Part by dragging the row divider in the record selector column.

To resize rows:

1. Mouse over the divider at the bottom of the row you want to resize in the record selector column. The pointer changes to a vertical double arrow.

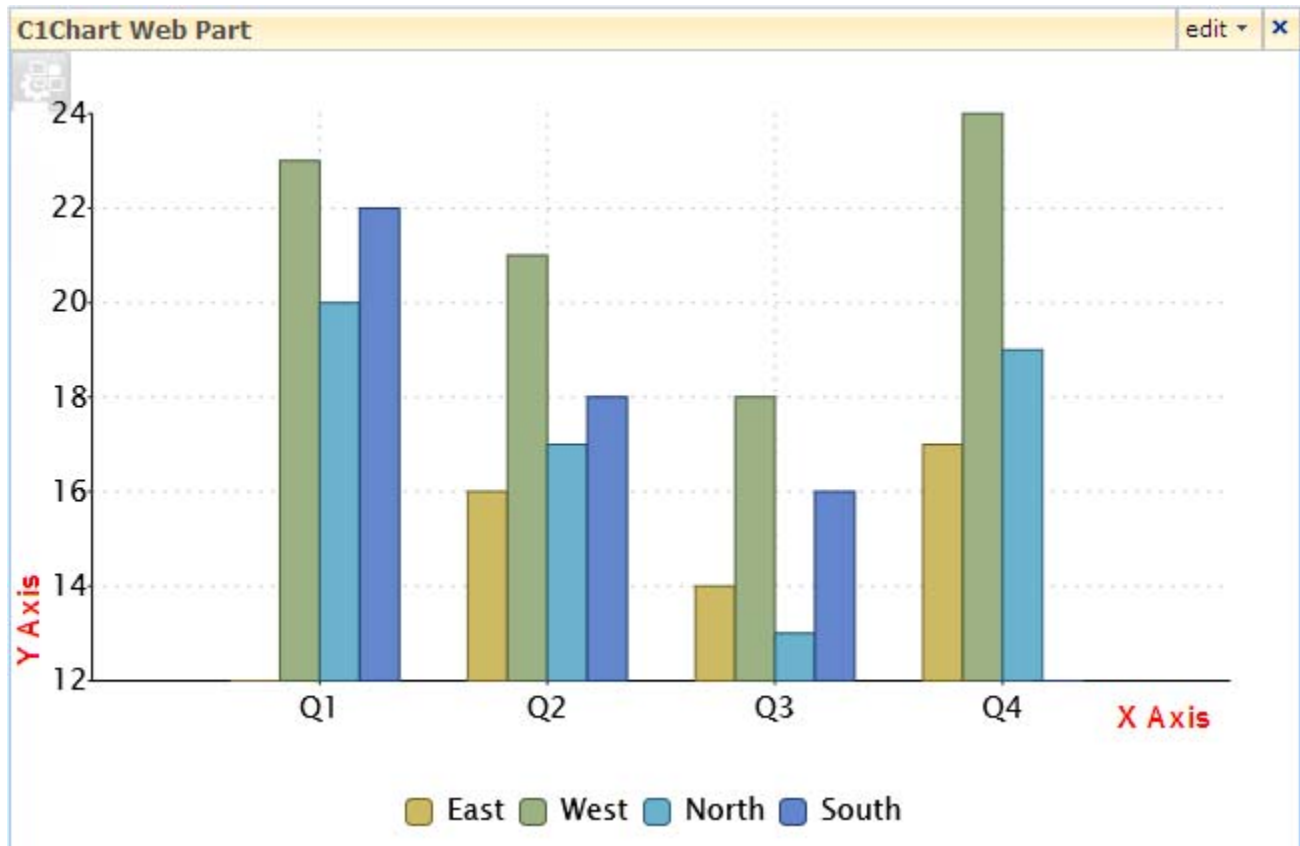


2. Drag the divider up or down, making the row smaller or larger, respectively.

C1Chart Web Part

The C1Chart Web Part provides thirty eye-catching charts to display a series of simple values retrieved from your SharePoint list or SQL Server table.

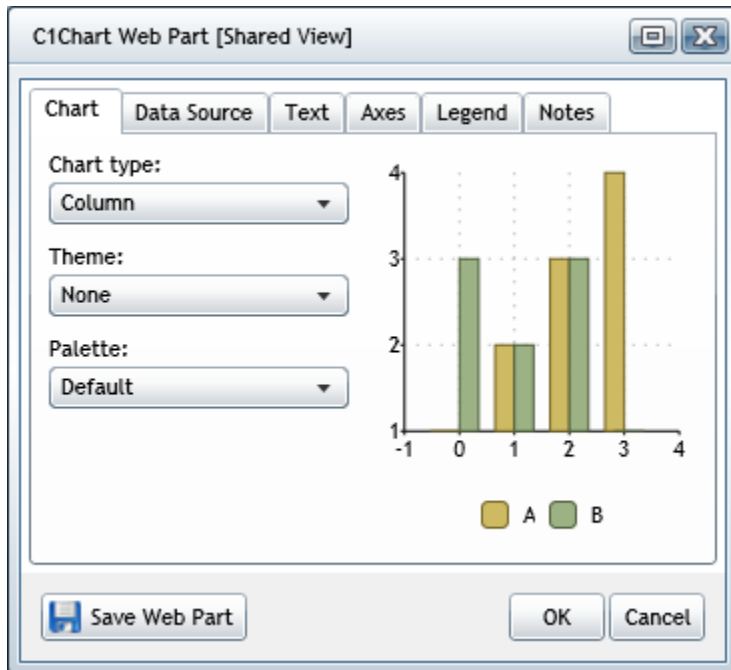
The following example shows a simple column chart comparing quarterly sales for four regions:







Most charts have two axes, X and Y. The exceptions are pie charts (which have no axes) and charts with a secondary Y axis (Y2, which have three axes). The X and Y axes are labeled in the above example.

C1Chart Web Part Configuration Properties

The C1Chart Web Part properties allow you to select a SharePoint list or SQL Server table and display its values within a variety of charts. By clicking the icon in the top left corner of the C1Chart Web Part, you can access the C1Chart Web Part Properties dialog box.



The following table describes the buttons in the dialog box.

Button	Description
	The Save Web Part button updates the running web part instance and saves the web part's properties to the SharePoint server for future page visits. Clicking this button implicitly performs the OK action before persisting the properties. This button closes the editor.
	The OK button updates the running web part instance but does not save the changes for future page visits. This allows users to test their changes before saving them. This button closes the editor.
 	The Cancel and Close buttons close the editor without updating anything. If the editor is reopened, its controls are reset to the last saved state. These buttons close the editor.

Creating a Chart

The **Chart** properties allow you to specify the type of chart to display and select a theme and palette to be used for the background and foreground colors of the chart and legend. The following topics explain how to use each of the **Chart** properties.

C1Chart Types

The C1Chart Web Part provides thirty chart options to display your data. The following table describes the available C1Chart types.

Chart Type	Description
Area	An Area chart displays a series as a set of points connected by a line, with all the area filled in below the line. Area charts are commonly used to represent data that occurs over a continuous period of time.

Chart Type	Description
AreaSmoothed	An AreaSmoothed chart is an area chart where the data points are connected by a smooth line instead of a regular line. This chart is used to display trends rather than values of individual data points.
AreaStacked	An AreaStacked chart shows multiple series stacked vertically. If there is only one series in the chart, the stacked area chart will display the same as an area chart.
AreaStacked100pc	An AreaStacked100pc chart shows an area chart where multiple series are stacked vertically to fit 100% of the chart area. If there is only one series in your chart, the stacked area chart will display the same as an area chart.
Bar	A Bar chart displays series as sets of horizontal bars. The bar chart is the only chart type that displays data horizontally. For this reason, it is popular for representing data that occurs over time, with a finite start and end date. It is also popular for showing categorical information since categories can be displayed horizontally.
BarStacked	A BarStacked chart shows multiple series stacked vertically. If there is only one series in the chart, the stacked bar chart will display the same as a bar chart.
BarStacked100pc	A BarStacked100pc chart shows a column chart where multiple series are stacked vertically to fit 100% of the chart area. If there is only one series in your chart, all bars will fit to 100% of the chart area.
Bubble	A Bubble chart combines two independent values to supply both the point y value and the point sizes. This chart is used to represent an addition data value at each point by changing its size.
Candle	Candle and HiLoOpenClose charts are types of Stock charts used in financial applications to show the opening, closing, high, and low prices of a given stock. A Candle chart is a special type of HiLoOpenClose chart. It represents the change in stock price from opening to closing.
Column	A Column chart displays a series as a set of vertical bars that are grouped by category. Column charts are useful for showing data changes over a period of time or for illustrating comparisons among items.
ColumnStacked	A ColumnStacked chart shows multiple series stacked vertically. If there is only one series in the chart, the stacked column chart will display the same as a column chart.
ColumnStacked100pc	A ColumnStacked100pc chart shows a column chart where multiple series are stacked vertically to fit 100% of the chart area. If there is only one series in your chart, all the column bars will fit to 100% of the chart area.
Gantt	A Gantt chart is used to illustrate a timeline of various tasks and outline the critical activities to a project's completion.
HighLowOpenClose	Candle and HiLoOpenClose charts are types of Stock charts used in financial applications to show the opening, closing, high, and low prices of a given stock. This chart combines four independent

Chart Type	Description
	values to supply high, low, open and close data for a point in a series.
Line	A Line chart displays a series as a set of points connected by a single line. Line charts are used to represent large amounts of data that occur over a continuous period of time.
LineSmoothed	A LineSmoothed chart is a Line chart that uses a curved line instead of a regular line.
LineStacked	A LineStacked chart shows multiple series stacked vertically. If there is only one series in the chart, the stacked line chart will display the same as a line chart.
LineStacked100pc	A LineStacked100pc chart shows a line chart where multiple series are stacked vertically to fit 100% of the chart area. If there is only one series in your chart, all lines will fit to 100% of the chart area.
LineSymbols	A LineSymbols chart displays a series as a set of points connected by a single line. A filled circle appears at each data point.
LineSymbolsSmoothed	A LineSymbolsSmoothed chart is a LineSymbols chart that uses a curved line instead of a regular line.
LineSymbolsStacked	A LineSymbolsStacked chart shows multiple series stacked vertically. If there is only one series in the chart, the stacked line chart will display the same as a line chart. A filled circle appears at each data point.
LineSymbolsStacked100pc	A LineSymbolsStacked100pc chart shows a LineSymbols chart where multiple series are stacked vertically to fit 100% of the chart area. If there is only one series in your chart, all lines will fit to 100% of the chart area.
Pie	A Pie chart draws each series as a slice in a pie. The number of pies is the number of points in the data.
PieDoughnut	A PieDoughnut is a pie chart that has an open space in the center.
PieExploded	A PieExploded chart is a pie chart where all of the slices are moved away from the center of the pie.
PieExplodedDoughnut	A PieExplodedDoughnut chart is a chart where all of the slices are moved away from the center of the doughnut.
Radar	A Radar chart draws the y value in each data set along a radar line (the x value is ignored except for labels).
RadarFilled	A RadarFilled chart is a Radar chart with the radar lines filled in.
RadarSymbols	A RadarFilled chart is a Radar chart that draws the y value in each data set along a radar line (the x value is ignored except for labels). A filled circle appears at each data point.
XYPlot	XYPlot charts draw each series as connected points of data.

To specify the type of chart to display, complete the following steps:

1. Click the icon in the top left corner of the C1Chart Web Part.
2. On the **Chart** tab, select the desired chart type from the **Chart type** drop-down list.

C1Chart Themes

The C1Chart Web Part incorporates several themes, including Office 2003, Vista, and Office 2007 themes, allowing you to customize the appearance of your grid. The theme defines the color background area of the chart and background of the legend. When the **Palette** is set to **Default**, the theme also defines the color of the chart and legend.

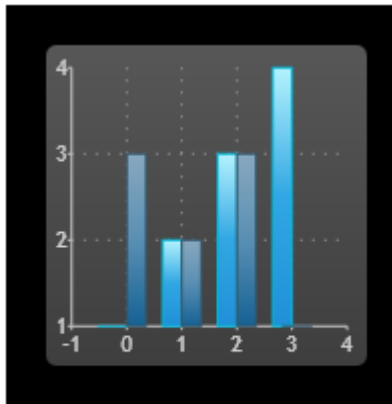
The built-in themes are described and pictured below.

Custom

Not used in this release.

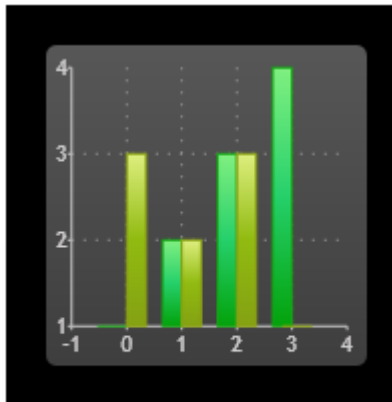
DuskBlue

This theme appears as a charcoal-colored chart with electric blue and orange highlighting.



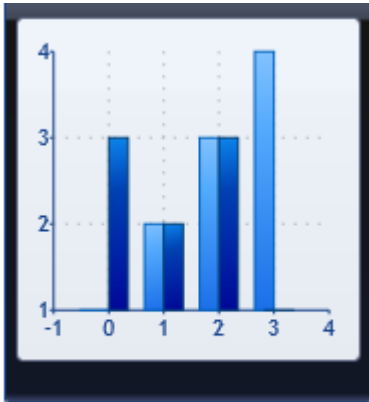
DuskGreen

This theme appears as a charcoal-colored chart with electric green and purple highlighting.



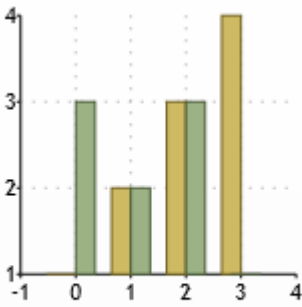
MediaPlayer

This theme is based on the Windows Media Player style and it appears as a black-colored chart with blue highlighting.



None

No theme is used.



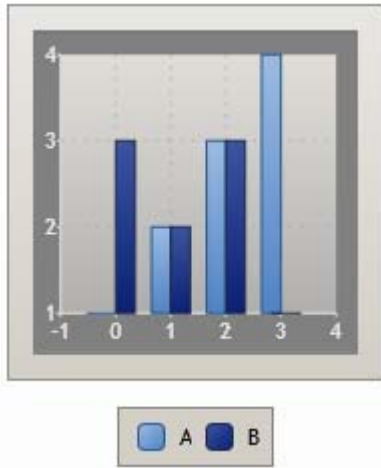
Office2003Blue

This theme is based on the Office 2003 Blue style and it appears as a neutral-colored chart with blue and orange highlighting.



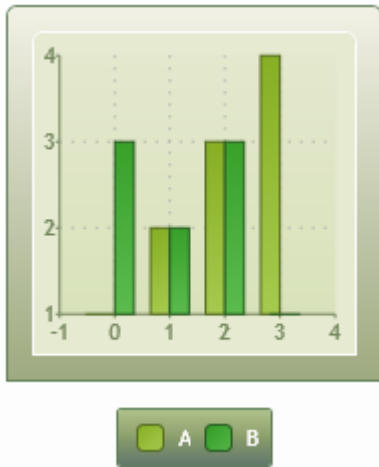
Office2003Classic

This theme is based on the Office 2003 Classic style and appears as a gray-colored chart with slate-colored highlighting.



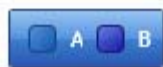
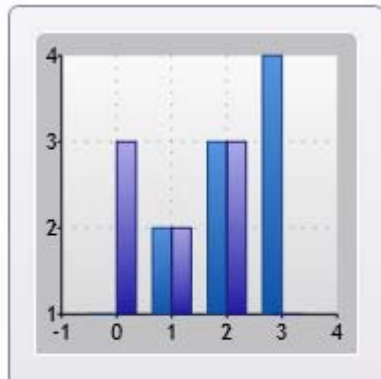
Office2003Olive

This theme is based on the Office2003 Olive style and it appears as a neutral-colored chart with olive green and orange highlighting.



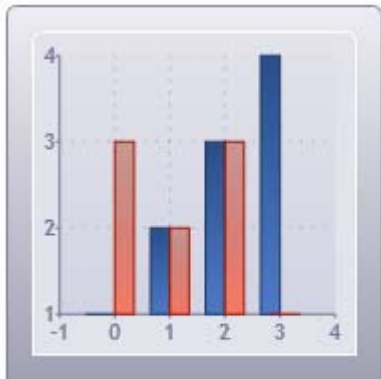
Office2003Royale

This theme is similar to the Office 2003 Royale style and appears as a silver-colored chart with blue highlighting.



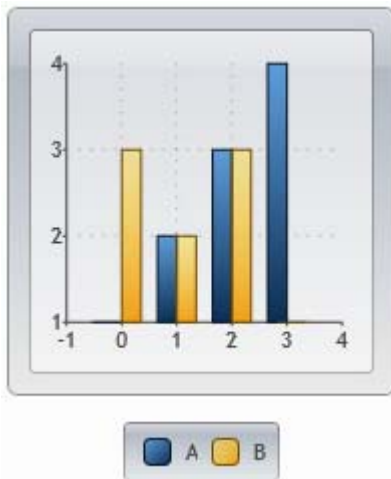
Office2003Silver

This theme is based on the Office 2003 Silver style and it appears as a silver-colored chart with gray and orange highlighting.



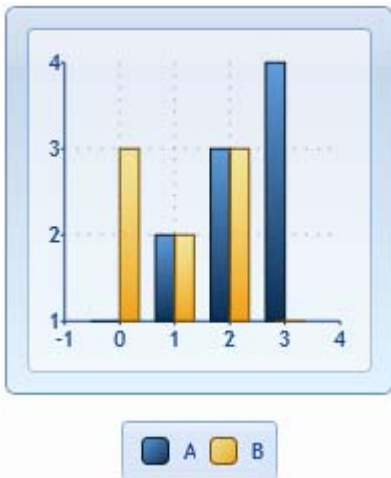
Office2007Black

This is the theme based on the Office 2007 Black style and it appears as a dark gray-colored chart with orange highlighting.



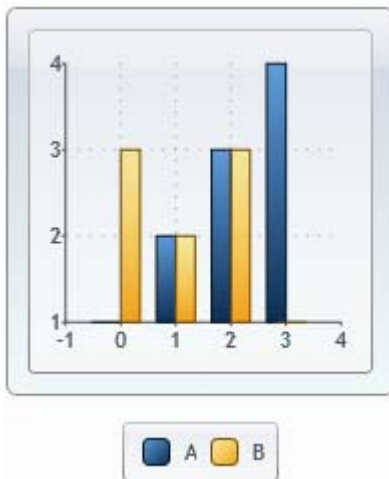
Office2007Blue

This theme is based on the Office 2007 Blue style and it appears as a blue-colored chart with orange highlighting.



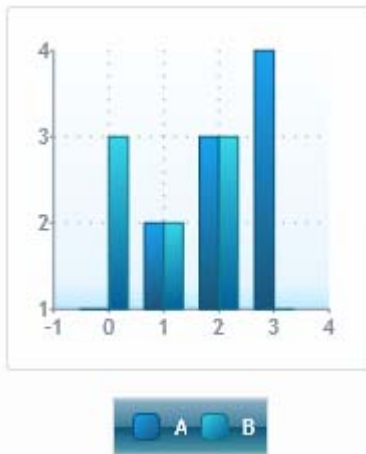
Office2007Silver

This theme is based on the Office 2007 Silver style and it appears as a silver-colored chart with orange highlighting.



Vista

This theme is based on the Vista style and it appears as a teal-colored chart with blue highlighting.



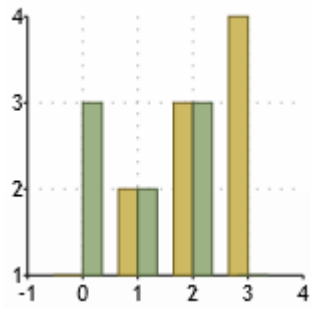
To specify a theme, complete the following steps:

1. Click the icon in the top left corner of the C1Chart Web Part.
2. On the **Chart** tab, select the desired theme from the **Theme** drop-down list.

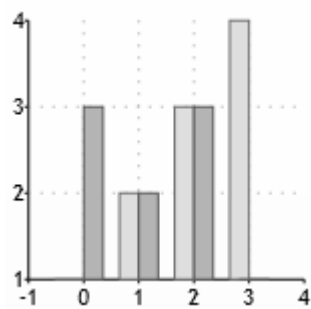
C1Chart Palette

The Palette is made up of twenty-three options that define the colors of the chart and the legend items. The following table shows the colors for each palette option.

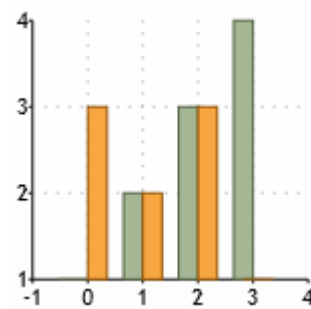
Apex



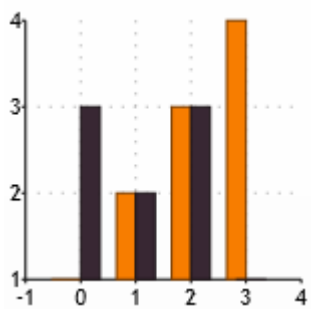
GrayScale



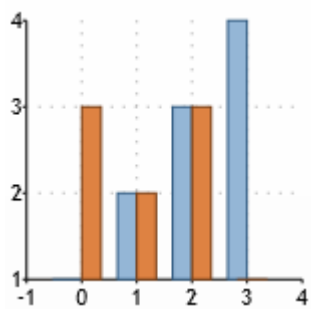
Paper



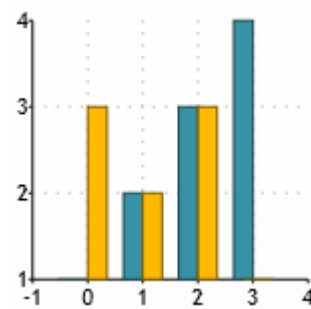
Aspect



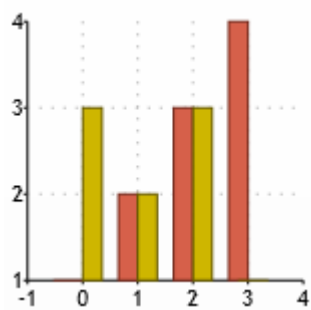
Median



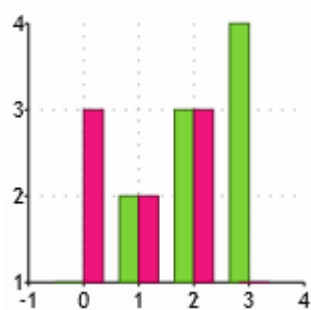
Solstice



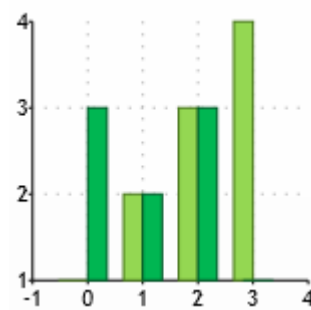
Civic



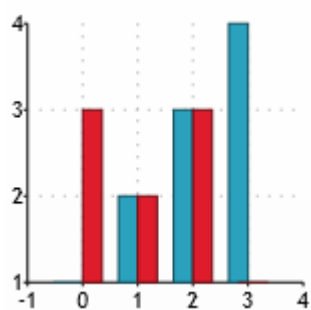
Metro



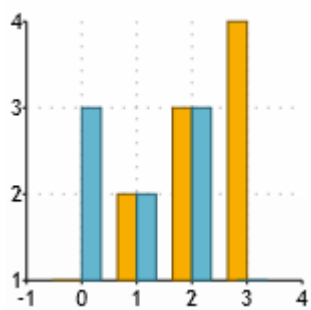
Standard



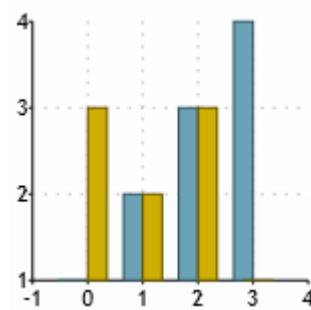
Concourse



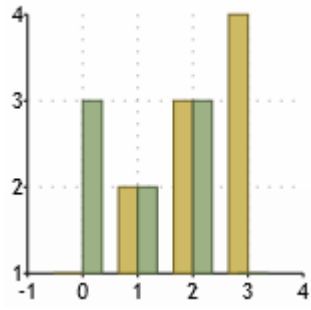
Module



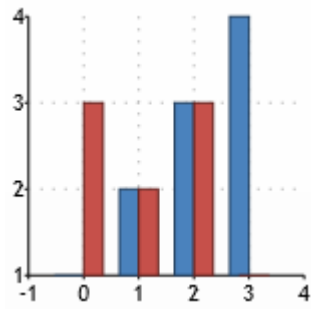
Technic



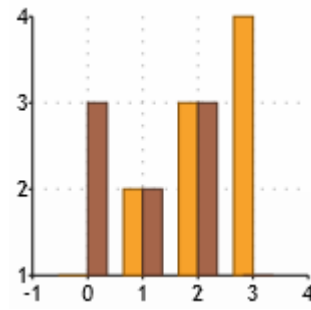
Default



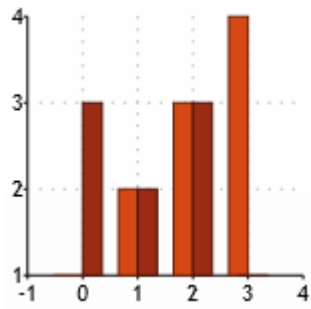
Office



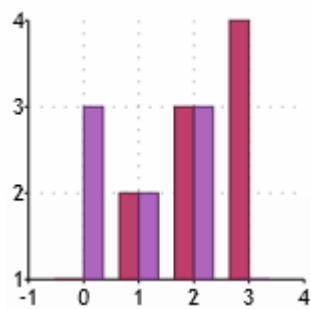
Trek



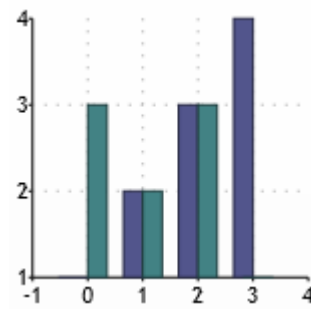
Equity



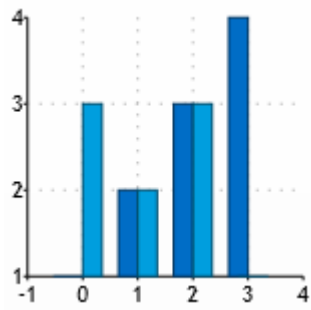
Opulent



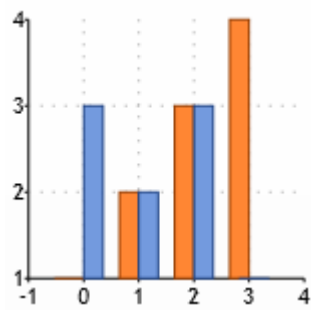
Urban



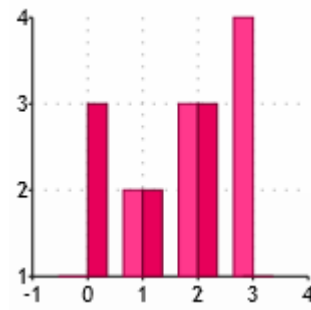
Flow



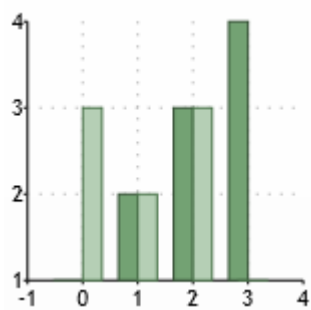
Oriel



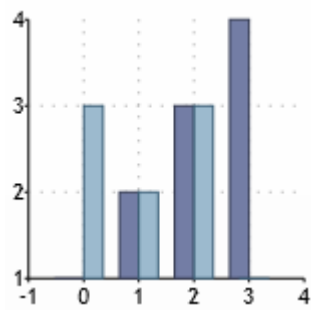
Verve



Foundry



Origin



To specify a palette, complete the following steps:

1. Click the icon in the top left corner of the C1Chart Web Part.
2. On the **Chart** tab, select the desired palette from the **Palette** drop-down list.

Setting the C1Chart Data Source

Select a SharePoint list or data from a SQL Server table or view to display in a chart.

Using a SharePoint List Data Source

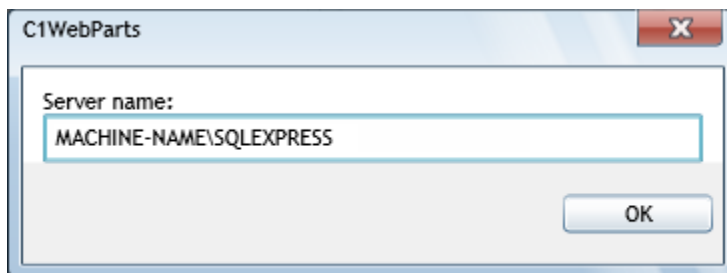
To use SharePoint list as your data source, complete the following steps:

1. Click the icon in the top left corner of the C1Chart Web Part.
2. Under **Data Source**, click **SharePoint Lists** and select the name of your site. All of the lists in your site are shown here.
3. Scroll the list and select the desired list.
4. Click the drop-down arrow under **Label column**. All of the columns in your SharePoint list are listed.
5. Select the column to be used to populate the legend.
6. Click the drop-down arrow under **Data columns** and select one or more numeric columns to be used to populate the Y-axis.
7. Select the data to be Row or Column based under **Data series**.
8. Click **Save Web Part**. The chart is displayed.

Using a SQL Server Table or View Data Source

To use a SQL Server table or view as your data source, complete the following steps:

1. Click the icon in the top left corner of the C1Chart Web Part.
2. Under **Data Source**, click the **SQL Server** tab, click **Servers**, and then click **More**.
3. Enter the name of the SQL Server instance. For example:

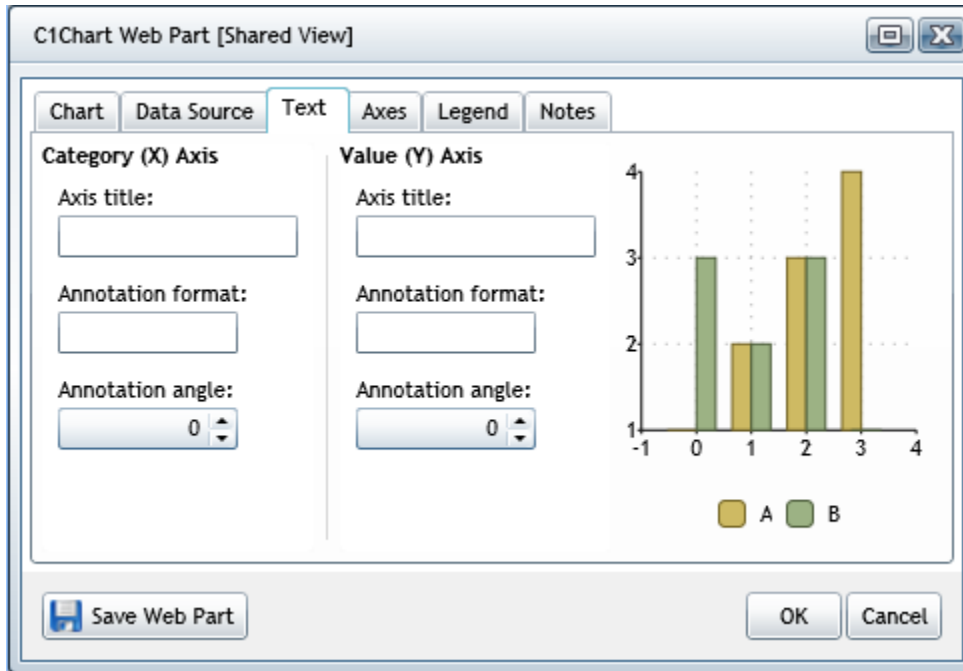


4. Click **OK**. If you are authorized, another menu will open with a list of SQL Server databases (catalogs).
5. Select the desired database, and the available tables and views will be displayed below the menu.
6. Select one of the tables or views to specify a data source for the Web Part.
7. Click the drop-down arrow under **Label column**. All of the columns in your SharePoint list are listed.
8. Select the column to be used to populate the legend.
9. Click the drop-down arrow under **Data columns** and select the column to be used to populate the Y-axis.
10. Select the data to be row or column based under **Data series**.

11. Click **Save Web Part**. The chart is displayed.

Adding Chart Labels

Using the **Text** properties, you can determine the title for each axis and the format for the axis annotations. Adding a title to an axis clarifies what is charted along that axis.



Text Properties

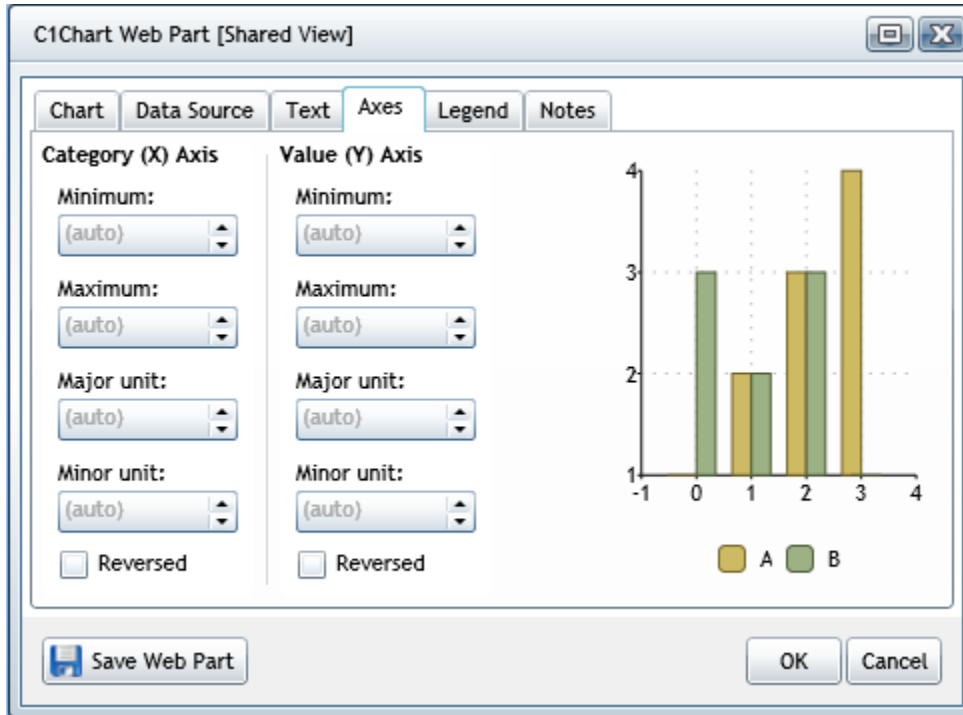
The following properties appear both under Category (X) Axis and Value (Y) Axis.

Property	Description
Axis title	Determines the text used to label the axis. Enter a value in the text box to create a title.
Annotation format	For numeric values, use Microsoft's standard numeric format strings , such as c for currency. For date/time values, use Microsoft's standard date and time format strings , such as t for sort time.
Annotation angle	Determines the angle of which the annotation is slanted. Use the arrows in the list box or enter a new value to change the angle.

Note: Tooltips are automatically implemented for data points (columns and symbols).

Configuring Chart Axes

Using the **Axes** properties, you can determine the beginning and ending values for the X and Y axis as well as the units by which the tick marks will be spaced.



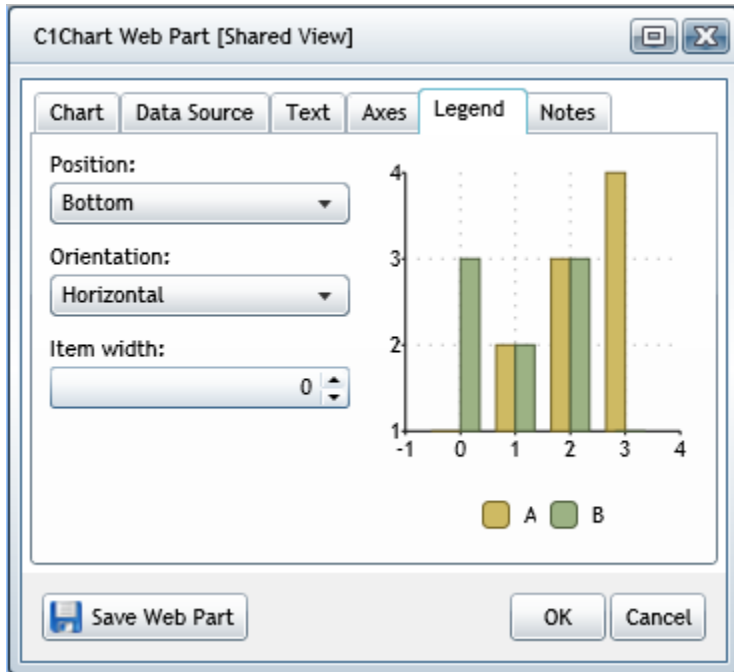
Axes Properties

The following properties appear both under Category (X) Axis and Value (Y) Axis. To change any of these properties, use the arrows on the list boxes or enter a new value. A sample chart appears to the right so you can view changes before saving them.

Property	Category (X) Axis	Value (Y) Axis
Minimum	Determines the starting, or minimum, value along the X axis.	Determines the starting, or minimum, value along the Y axis.
Maximum	Determines the ending, or maximum, value along the X axis.	Determines the ending, or maximum, value along the Y axis.
Major unit	Determines the spacing between major tick marks along the X axis.	Determines the spacing between major tick marks along the Y axis.
Minor unit	Determines the spacing between minor tick marks along the X axis.	Determines the spacing between minor tick marks along the Y axis.
Reversed	Check the Reversed checkbox to reverse the order of the tick marks and flip the chart horizontally.	Check the Reversed checkbox to reverse the order of the tick marks and flip the chart vertically.

Customizing the Legend

Using the **Legend** properties, you can determine the position of the legend, whether it is displayed horizontally or vertically, and how long legend items appear.



Position

To determine the position of the legend, complete the following steps:



1. Click the icon in the top left corner of the C1Chart Web Part.
2. On the **Legend** tab under **Position**, select from one of the following options:

Bottom	Places the legend underneath the chart.
Left	Places the legend to the left of the chart.
Right	Places the legend to the right of the chart.
Top	Places the legend above the chart.

Orientation

To determine the layout of the legend, complete the following steps:

1. Click the icon in the top left corner of the C1Chart Web Part.
2. On the **Legend** tab under **Orientation**, select from one of the following options:

	Horizontal	Legend items are displayed side-by-side.
	Vertical	Legend items are stacked vertically.

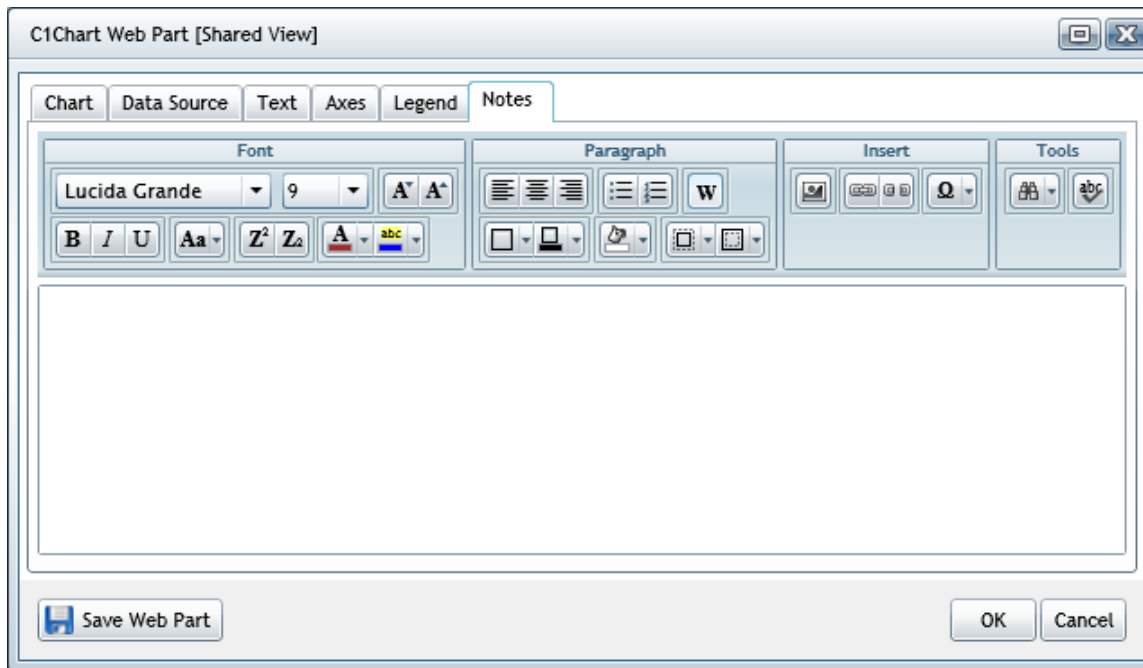
Item width

If the legend does not fit on a single line, you can set the **Item width** to a non-zero value to simulate a multi-column display. To determine the space between legend items, complete the following steps:

1. Click the icon in the top left corner of the C1Chart Web Part.
2. On the **Legend** tab under **Item width**, use the arrows or enter a number to determine the space between legend items.

Adding Notes to a Chart

The **Notes** tab provides a rich text control that allows you to add formatted notes to the chart.



To add notes to your chart:

1. Click the icon in the top left corner of the C1Chart Web Part.
2. On the **Notes** tab, enter your notes in the text box.
3. Format the notes as desired using the **Font**, **Paragraph**, **Insert**, and **Tools** ribbons.
4. Click **Save Web Part**.

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