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Preface

This documentation describes how to install and use WebFOCUS Open Portal Services and its portal components in the Microsoft® SharePoint™ 2010 and 2013 Portal Server environment. It is intended for administrators who are installing and configuring the WebFOCUS Portal components on a specific EIP to enable the usage and delivery of WebFOCUS business intelligence content in third-party applications.

How This Manual Is Organized

This manual includes the following chapters:

<table>
<thead>
<tr>
<th>Chapter/Appendix</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introducing WebFOCUS Open Portal Services</td>
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<td>2</td>
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<td>3</td>
<td>Installing WebFOCUS Web Parts for Microsoft SharePoint 2010 and 2013</td>
</tr>
</tbody>
</table>

Documentation Conventions

The following table lists and describes the conventions that apply in this manual.

<table>
<thead>
<tr>
<th>Convention</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>THIS TYPEFACE</strong> or <strong>this typeface</strong></td>
<td>Denotes syntax that you must enter exactly as shown.</td>
</tr>
<tr>
<td><strong>this typeface</strong></td>
<td>Represents a placeholder (or variable), a cross-reference, or an important term.</td>
</tr>
<tr>
<td>Convention</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-------------</td>
</tr>
<tr>
<td>underscore</td>
<td>Indicates a default setting.</td>
</tr>
<tr>
<td><strong>this typeface</strong></td>
<td>Highlights a file name or command. It may also indicate a button, menu item, or dialog box option you can click or select.</td>
</tr>
<tr>
<td>Key + Key</td>
<td>Indicates keys that you must press simultaneously.</td>
</tr>
<tr>
<td><code>{ }</code></td>
<td>Indicates two or three choices; type one of them, not the braces.</td>
</tr>
<tr>
<td><code>[ ]</code></td>
<td>Indicates a group of optional parameters. None is required, but you may select one of them. Type only the parameter in the brackets, not the brackets.</td>
</tr>
<tr>
<td>`</td>
<td>`</td>
</tr>
<tr>
<td><code>...</code></td>
<td>Indicates that you can enter a parameter multiple times. Type only the parameter, not the ellipsis points (...).</td>
</tr>
<tr>
<td><code>.</code></td>
<td>Indicates that there are (or could be) intervening or additional commands.</td>
</tr>
</tbody>
</table>

**Related Publications**

To view a current listing of our publications and to place an order, visit our Technical Content Library, [http://documentation.informationbuilders.com](http://documentation.informationbuilders.com). You can also contact the Publications Order Department at (800) 969-4636.

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Do you have any questions about this product?

Join the Focal Point community. Focal Point is our online developer center and more than a message board. It is an interactive network of more than 3,000 developers from almost every profession and industry, collaborating on solutions and sharing tips and techniques. Access Focal Point at [http://forums.informationbuilders.com/eve/forums](http://forums.informationbuilders.com/eve/forums).
You can also access support services electronically, 24 hours a day, with InfoResponse Online. InfoResponse Online is accessible through our website, http://www.informationbuilders.com. It connects you to the tracking system and known-problem database at the Information Builders support center. Registered users can open, update, and view the status of cases in the tracking system and read descriptions of reported software issues. New users can register immediately for this service. The technical support section of www.informationbuilders.com also provides usage techniques, diagnostic tips, and answers to frequently asked questions.

Call Information Builders Customer Support Services (CSS) at (800) 736-6130 or (212) 736-6130. Customer Support Consultants are available Monday through Friday between 8:00 a.m. and 8:00 p.m. EST to address all your questions. Information Builders consultants can also give you general guidance regarding product capabilities. Please be ready to provide your six-digit site code number (xxxx.xx) when you call.

To learn about the full range of available support services, ask your Information Builders representative about InfoResponse Online, or call (800) 969-INFO.

**Information You Should Have**

To help our consultants answer your questions effectively, be prepared to provide the following information when you call:

- Your six-digit site code (xxxx.xx).
- Your WebFOCUS configuration:
  - The front-end you are using, including vendor and release.
  - The communications protocol (for example, TCP/IP or HLLAPI), including vendor and release.
  - The software release.
  - Your server version and release. You can find this information using the Version option in the Web Console.
- The stored procedure (preferably with line numbers) or SQL statements being used in server access.
- The Master File and Access File.
- The exact nature of the problem:
  - Are the results or the format incorrect? Are the text or calculations missing or misplaced?
  - The error message and return code, if applicable.
  - Is this related to any other problem?
Has the procedure or query ever worked in its present form? Has it been changed recently? How often does the problem occur?

What release of the operating system are you using? Has it, your security system, communications protocol, or front-end software changed?

Is this problem reproducible? If so, how?

Have you tried to reproduce your problem in the simplest form possible? For example, if you are having problems joining two data sources, have you tried executing a query containing just the code to access the data source?

Do you have a trace file?

How is the problem affecting your business? Is it halting development or production? Do you just have questions about functionality or documentation?

**User Feedback**

In an effort to produce effective documentation, the Documentation Services staff welcomes your opinions regarding this manual. You can use the Documentation Feedback form on our website, [http://documentation.informationbuilders.com/feedback.asp](http://documentation.informationbuilders.com/feedback.asp).

Thank you, in advance, for your comments.

**Information Builders Consulting and Training**

Interested in training? Information Builders Education Department offers a wide variety of training courses for this and other Information Builders products.

For information on course descriptions, locations, and dates, or to register for classes, visit our World Wide Web site ([http://www.informationbuilders.com](http://www.informationbuilders.com)) or call (800) 969-INFO to speak to an Education Representative.
Introducing WebFOCUS Open Portal Services

WebFOCUS Open Portal Services for WebFOCUS 8 provides seamless integration to Enterprise Information Portals (EIPs) through single sign-on (SSO) so that users can consume and interact with WebFOCUS content in an easy and secure way.

Information Builders offers a way to leverage your EIP investment by extending access to your enterprise data. With WebFOCUS Open Portal Services, you can deploy WebFOCUS business intelligence across the enterprise by incorporating reporting structures and structured content within supported third-party EIPs.

Information Builders WebFOCUS business intelligence technology is the most usable, deployable, and scalable business intelligence software solution available. It can access more than 90 data sources, including legacy, data warehouse, enterprise resource planning (ERP), and customer relationship management (CRM), on over 35 platforms, including S/390 mainframe. Because it can access and integrate data from any source, it reduces the complexity of a given data environment.

The following section provides an overview of the features and benefits of WebFOCUS Open Portal Services.

In this chapter:

- WebFOCUS Open Portal Services
- Benefits of Using WebFOCUS Open Portal Services

WebFOCUS Open Portal Services

WebFOCUS Open Portal Services enables you to extend WebFOCUS business intelligence capabilities to end users within an existing EIP framework. Users can:

- Personalize the way they view, store, and retrieve business intelligence content for optimum job efficiency.

- Decide what content to include in each content window and how that content is displayed and organized.

- Combine graphics and reports in the same portal page.
Employ analytic tools for all types of reporting and query, including ad hoc and OLAP.

The following diagram illustrates WebFOCUS content being displayed inside an EIP:

Benefits of Using WebFOCUS Open Portal Services

WebFOCUS Open Portal Services offer many benefits to the users within the enterprise by:

- Providing immediate access to critical enterprise-wide data through a personalized portal page.
- Incorporating comprehensive reporting and analysis capabilities within the portal and enhancing the user experience by delivering relevant, real-time information.
- Enabling users to display, locate, share, visualize, and analyze business intelligence information based on their roles within the enterprise.
- Supporting internal and external security for delivering timely and accurate business reports to authorized users.
Using WebFOCUS Portal Components

This section describes the types of WebFOCUS components that are provided by WebFOCUS Open Portal Services (OPS). In addition, information on using WebFOCUS components is provided.

In this chapter:

- WebFOCUS Open Portal Services Components Overview
- Using WebFOCUS Open Portal Services Components

WebFOCUS Open Portal Services Components Overview

WebFOCUS Open Portal Services (OPS) provides the following set of WebFOCUS components:

- Report
- Deferred Status
- Resource Tree

These components enable integration between existing Enterprise Information Portals (EIPs) and the WebFOCUS business intelligence platform using single sign-on (SSO) functionality. As a result, users are automatically authenticated with WebFOCUS once they log on to their EIP. After receiving the user ID from the EIP through a secure channel, WebFOCUS OPS initiates a trusted Managed Reporting logon on behalf of the user to avoid the subsequent Managed Reporting logon prompt.

For more information about the trusted Managed Reporting logon feature, see the WebFOCUS Security and Administration documentation.

WebFOCUS Report Component

The WebFOCUS Report component allows portal users to access WebFOCUS content items including reports, charts, dashboards, documents, and URLs. Depending on security privileges, a user has the following options:

- Select their own WebFOCUS content items to be displayed.
- Select the specific WebFOCUS content items to be displayed to other users.
- View only WebFOCUS content items already selected by another user.
The following image shows an example of the WebFOCUS Report component.

![WebFOCUS Report](image)

**WebFOCUS Deferred Status Component**

The WebFOCUS Deferred Status component allows users to check the status of any report submitted for deferred execution. The following image shows an example of the WebFOCUS Deferred Status component.

![WebFOCUS Deferred Status](image)

**WebFOCUS Resource Tree Component**

The WebFOCUS Resource Tree component is a modified version of the standard WebFOCUS Resource Tree located in the WebFOCUS Business Intelligence (BI) Portal. It allows EIP users to run, build, and modify WebFOCUS content items. In addition, functionalities such as scheduling reports using ReportCaster and enabling content to be viewed on an iPad using Mobile Favorites are provided. If WebFOCUS ReportCaster is installed, then links to the ReportCaster Library and additional ReportCaster resources are available.
The following image shows an example of the WebFOCUS Resource Tree component.
Using WebFOCUS Open Portal Services Components

The following image shows an example of the WebFOCUS Report, Deferred Status, and Resource Tree components being used on a single website page in Microsoft SharePoint 2010.

Using WebFOCUS Open Portal Services Components

This section describes how to configure and use the WebFOCUS Report, Deferred Status, and Resource Tree components once the Source URL parameter is set.

For more information on how to add WebFOCUS Open Portal Services (OPS) components to a portal page and access its properties, see Installing WebFOCUS Web Parts for Microsoft SharePoint 2010 and 2013 on page 35.

Setting the Source URL Parameter

After you add a component to the portal page, the first common step that is required for all three WebFOCUS components is to set the Source URL parameter for the component to the URL of the WebFOCUS Client to be used. Once this URL is set, the component is able to communicate with WebFOCUS and respond with the initial screen of the component.
Using the WebFOCUS Report Component

Once the WebFOCUS Report component is added to a portal page and the WebFOCUS Client is selected as described in Setting the Source URL Parameter on page 14, the component content must be defined. A user who has permission to select WebFOCUS Report component content items can define component content in one of the following display modes:

- Launch
- Folder
- List

For more information on configuring WebFOCUS Report component security, see WebFOCUS Report Component Configurations on page 25.

For more information on adding the WebFOCUS Report component to a portal page, see Installing WebFOCUS Web Parts for Microsoft SharePoint 2010 and 2013 on page 35.

Launch Mode

In this mode, you can set a WebFOCUS content item to be displayed by default each time a user visits the portal page containing the WebFOCUS Report component.

Procedure: How to Configure Launch Mode for the WebFOCUS Report Component

1. Click Select Reports from the Component menu bar, as shown in the following image.
2. Select the *launch* option from the display mode options in the upper-right corner, as shown in the following image.

![WebFOCUS Report](image1)

3. Select a content item (report) to be displayed from the Content node on the left pane and then click *save*, as shown in the following image.

![WebFOCUS Report](image2)
Subsequent visits to the WebFOCUS Report component will display the selected report by default, as shown in the following image.

![Country Sales](image)

**Folder Mode**

In this mode, you can set a specific WebFOCUS folder to be displayed by default each time a user visits the portal page containing the WebFOCUS Report component. Users can then select the WebFOCUS content item they want to run by expanding the displayed folder.

**Procedure: How to Configure Folder Mode for the WebFOCUS Report Component**

1. Click Select Reports from the Component menu bar, as shown in the following image.
2. Select the *folder* option from the display mode options in the upper-right corner, as shown in the following image.

![Folder option selected](image)

3. Select one or more folders from the Content node on the left pane and click save, as shown in the following image.

![Folder selection with save button](image)
Subsequent visits to the WebFOCUS Report component will display the selected folders and respective content items by default, as shown in the following image.

4. Double-click a content item to run it or right-click a content item to select different options (such as Run, Edit, and Schedule), as shown in the following image.

List Mode

In this mode, you can set a list of WebFOCUS content items to be displayed by default each time a user visits the portal page containing the WebFOCUS Report component. Users can then select one of the content items to run.
Procedure:  How to Configure List Mode for the WebFOCUS Report Component

1. Click Select Reports from the Component menu bar, as shown in the following image.

![Select Reports](image1)

2. Select the list option from the display mode options in the upper-right corner, as shown in the following image.

![List Option](image2)

3. Select one or more nodes from the Content node on the left pane, and click save.

![Select Nodes](image3)
Subsequent visits to the WebFOCUS Report component will display the selected content items by default, as shown in the following image.

4. Double-click a content item to run it or right-click a content item to select different options (such as Run, Edit, and Schedule), as shown in the following image.

**WebFOCUS Report Component Parameters**

The following table lists and describes the available WebFOCUS Report component parameters.

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WebFOCUS Connection</strong></td>
<td></td>
</tr>
<tr>
<td>Source URL</td>
<td>URL and port number to the WebFOCUS client used to retrieve WebFOCUS content items.</td>
</tr>
<tr>
<td>Parameters</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| User run only | Used to control whether or not a user is allowed to change the content displayed in the Report component.  
If the *User run only* check box is not selected, then the user will be able to select a WebFOCUS content item and its display mode. This is the default setting.  
If the *User run only* check box is selected, then the Report Component will display a default content item, such as a report, to any user that does not have Managed Reporting administrator privileges, and the *Select Report* menu option will not be available, preventing the user from changing the content item selected by default.  
**Note:** The *User run only* parameter works in conjunction with the following Open Portal Services security privileges:  
- *Edit OPS Portlet*  
- *Save OPS Portlet Customization*  
For more information, see [WebFOCUS Report Component Configurations](#) on page 25. |
| Show Refresh | If the *Show Refresh* check box is not selected, then the *Refresh* option will not be available on the Report Component menu and the user will not be able to manually trigger the content item to refresh.  
If *Show Refresh* is selected, then the *Refresh* option will be displayed on the Report Component menu and the user can manually trigger the content item to refresh. This is the default setting. |
<table>
<thead>
<tr>
<th>Parameters</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use scroll bars</td>
<td>If the <em>Use scroll bars</em> check box is not selected, then the Report Component will not display scrollbars for the content item displayed.</td>
</tr>
<tr>
<td></td>
<td>If the <em>Use scroll bars</em> check box is selected, then the Report Component will display scrollbars for the content item displayed. This is the default setting.</td>
</tr>
<tr>
<td></td>
<td>This is particularly useful for content items that are larger than the component width and height, such as reports with several rows.</td>
</tr>
<tr>
<td>Show time stamp</td>
<td>If the <em>Show time stamp</em> check box is not selected, then the Report Component will not display the time stamp. This is the default setting.</td>
</tr>
<tr>
<td></td>
<td>If the <em>Show time stamp</em> check box is selected, then the Report Component will display the time stamp.</td>
</tr>
<tr>
<td>Gn</td>
<td>The <em>gn</em> parameter is used to distinguish between multiple instances of the WebFOCUS Report component and retain its attributes (for example, width, height, and refresh rate).</td>
</tr>
<tr>
<td></td>
<td>If you add three Report components to your portal page, then you must specify a unique <em>gn</em> value for each instance of that Report component.</td>
</tr>
<tr>
<td>Number of columns</td>
<td>Represents the number columns displayed inside the content mode box. For example, if a user is selecting reports to be placed in a list and the <em>Number of columns</em> parameter is set to 2, then items will be organized into two columns.</td>
</tr>
<tr>
<td></td>
<td>The default value is <em>1</em>.</td>
</tr>
<tr>
<td>Refresh</td>
<td>The amount of time in seconds before the content in the WebFOCUS component is refreshed.</td>
</tr>
<tr>
<td></td>
<td>If nothing is specified, the default value is <em>0</em>, meaning the component will not automatically refresh itself.</td>
</tr>
<tr>
<td>Parameters</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>----------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Scale</td>
<td>The time scale used to determine the refresh rate. Specify m for minutes (default), s for seconds, or h for hours.</td>
</tr>
<tr>
<td>Content</td>
<td></td>
</tr>
<tr>
<td>Context path</td>
<td>The application context path. For example:</td>
</tr>
<tr>
<td>Prefix fba usernames</td>
<td>Displays debugging information.</td>
</tr>
<tr>
<td>Trace</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td></td>
</tr>
<tr>
<td>Title</td>
<td>The title for the Report Component to appear on the top left of the component box.</td>
</tr>
<tr>
<td>Height</td>
<td>Represents the height of the component. Select either Yes and provide the fixed height of the Web Part, or No. Adjust height to fit zone.</td>
</tr>
<tr>
<td>Width</td>
<td>Represents the width of the component. Select either Yes and provide the fixed width of the Web Part, or No. Adjust width to fit zone.</td>
</tr>
<tr>
<td>Chrome State</td>
<td>It can be set to Minimized, meaning the component will be minimized on the page, or Normal, meaning the component will be displayed with the set dimensions.</td>
</tr>
</tbody>
</table>
**WebFOCUS Report Component Configurations**

The ability to set and access content in the WebFOCUS Report component is controlled by the `UseRunOnly` WebFOCUS Report component parameter and the OPS Customize and OPS Edit Open Portal Service security privileges. The following table lists and describes the combinations of settings that can be configured for specific access types.

<table>
<thead>
<tr>
<th>UseRunOnly (Parameter)</th>
<th>OPS Customize (Privilege)</th>
<th>OPS Edit (Privilege)</th>
<th>Access Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Select Report is not displayed. Access Denied.</td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Select Report is not displayed. Access Denied.</td>
</tr>
<tr>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Select Report is displayed for customization. The user can customize, select, and add tree items. OPS Customize has precedence over OPS Edit.</td>
</tr>
<tr>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Select Report is displayed for customization. The user can customize, select, and add tree items. OPS Customize has precedence over OPS Edit.</td>
</tr>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Select Report is not displayed. The user sees Fixed Report configured by a user with OPS Edit.</td>
</tr>
<tr>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Select Report is displayed for global configuration. The user sees Fixed Report configured globally by a user with OPS Edit.</td>
</tr>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Select Report is NOT Displayed. The user sees Fixed Report configured by a user with OPS Edit.</td>
</tr>
<tr>
<td>UseRunOnly (Parameter)</td>
<td>OPS Customize (Privilege)</td>
<td>OPS Edit (Privilege)</td>
<td>Access Type</td>
</tr>
<tr>
<td>------------------------</td>
<td>---------------------------</td>
<td>----------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Select Report is displayed for global configuration. The user sees Fixed Report configured globally by a user with OPS Edit.</td>
</tr>
</tbody>
</table>

For more information on how to configure the WebFOCUS component privileges, see the WebFOCUS Security and Administration documentation.

**Using the WebFOCUS Deferred Status Component**

The WebFOCUS Deferred Status component allows users to check the status of any report submitted for deferred execution. An example of the WebFOCUS Deferred Status component is shown in the following image.

Using the WebFOCUS Resource Tree Component

Once the WebFOCUS Resource Tree Component is added to the portal page, users can navigate through the tree nodes and perform different operations as described in the following sections.
Content Node

The Content node allows users to interact with WebFOCUS content items based on the security privileges of the user by either double-clicking on the item to run it or by right-clicking on the item and selecting an option from the menu that appears, as shown in the following image.
**Favorites Node**

The Favorites node allows users to interact with WebFOCUS content items based on the security privileges of the user by either double-clicking on an item to run it or by right-clicking an item and selecting an option from the menu that appears, as shown in the following image.

![WebFOCUS Resource Tree](image)
Mobile Favorites Node

The Mobile Favorites node includes items that will be displayed in the Mobile Favorites application. It also allows users to interact with WebFOCUS content items based on the security privileges of the user by either double-clicking on the item to run it or by right-clicking on the item and selecting an option from the menu that appears, as shown in the following image.

For more information about Mobile Favorites, see the WebFOCUS Business Intelligence Portal documentation.
**Recent Items Node**

The Recent Items node displays recently run content items. It also allows users to interact with WebFOCUS content items based on the security privileges of the user by either double-clicking on the item to run it or by right-clicking on the item and selecting an option from the menu that appears, as shown in the following image.
**WebFOCUS Resource Tree Component Parameters**

The following table lists and describes the available WebFOCUS Resource Tree component parameters.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WebFOCUS Connection</strong></td>
<td></td>
</tr>
<tr>
<td>Source URL</td>
<td>The URL and port number to the WebFOCUS client used to retrieve WebFOCUS content items.</td>
</tr>
<tr>
<td>Proxy URL</td>
<td>The Proxy URL and port number to the WebFOCUS client.</td>
</tr>
<tr>
<td>User run only</td>
<td>Used to control whether or not a user is allowed to change the content displayed in the Report Component.</td>
</tr>
<tr>
<td></td>
<td>If the <em>User run only</em> check box is not selected, then the user will be able to select a WebFOCUS content item and its display mode. This is the default setting.</td>
</tr>
<tr>
<td></td>
<td>If the <em>User run only</em> check box is selected, then the Report Component will display a default content item, such as a report, to any user that does not have Managed Reporting administrator privileges, and the <em>Select Report</em> menu option will not be available, preventing the user from changing the content item selected by default.</td>
</tr>
</tbody>
</table>

**Note:** The *User run only* parameter works in conjunction with the following Open Portal Services security privileges:

- *Edit OPS Portlet*
- *Save OPS Portlet Customization*

For more information, see *WebFOCUS Report Component Configurations* on page 25.
### Parameter | Description
--- | ---
Show Refresh | If the **Show Refresh** check box is not selected, then the **Refresh** option will not be available on the Report Component menu and the user will not be able to manually trigger the content item to refresh.

If **Show Refresh** is selected, then the **Refresh** option will be displayed on the Report Component menu and the user can manually trigger the content item to refresh. This is the default setting.

Use scroll bars | If the **Use scroll bars** check box is not selected, then the Report Component will not display scrollbars for the content item displayed.

If the **Use scroll bars** check box is selected, then the Report Component will display scrollbars for the content item displayed. This is the default setting.

This is particularly useful for content items that are larger than the component width and height, such as reports with several rows.

Show time stamp | If the **Show time stamp** check box is not selected, then the Report Component will not display the time stamp. This is the default setting.

If the **Show time stamp** check box is selected, then the Report Component will display the time stamp.

Gn | The **gn** parameter is used to distinguish between multiple instances of the WebFOCUS Report component and retain its attributes (for example, width, height, and refresh rate).

If you add three Report components to your portal page, specify a unique **gn** value for each instance of that Report component.
<table>
<thead>
<tr>
<th><strong>Parameter</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number of columns</strong></td>
<td>Represents the number of columns displayed inside the content mode box. For example, if a user is selecting reports to be placed in a list and the <em>Number of columns</em> parameter is set to 2, then items will be organized into two columns. The default value is 1.</td>
</tr>
<tr>
<td><strong>Refresh</strong></td>
<td>The amount of time in seconds before the content in the WebFOCUS component is refreshed.</td>
</tr>
<tr>
<td></td>
<td>If nothing is specified, the default value is 0, meaning the component will not automatically refresh itself.</td>
</tr>
<tr>
<td><strong>Scale</strong></td>
<td>The time scale used to determine the refresh rate. Specify <em>m</em> for minutes (default), <em>s</em> for seconds, or <em>h</em> for hours.</td>
</tr>
<tr>
<td><strong>Content</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Context path</strong></td>
<td>The application context path. For example:</td>
</tr>
<tr>
<td></td>
<td><code>/ibi_apps</code></td>
</tr>
<tr>
<td><strong>Prefix fba usernames</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Trace</strong></td>
<td>Displays debugging information.</td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Title</strong></td>
<td>The title for the Report Component that appears on the top left of the component pane.</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>Represents the height of the component. Select either Yes and provide the fixed height of the Web Part, or No. Adjust height to fit zone.</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>Represents the width of the component. Select either Yes and provide the fixed width of the Web Part, or No. Adjust width to fit zone.</td>
</tr>
<tr>
<td>Parameter</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Chrome State</td>
<td>This can be set to <em>Minimized</em>, meaning that the component will be minimized on the page, or <em>Normal</em>, meaning the component will be displayed with the set dimensions.</td>
</tr>
</tbody>
</table>
This section describes how administrators can install the WebFOCUS Web Parts for the Microsoft SharePoint Portal Server (2010 and 2013) on a server that has been configured to run the WebFOCUS Business Intelligence Dashboard.

In this chapter:

- Microsoft SharePoint Portal Server 2010
- Microsoft SharePoint Portal Server 2013

Microsoft SharePoint Portal Server 2010

This section describes how to add WebFOCUS Web Parts for Microsoft SharePoint Portal Server 2010.

Procedure: How to Add WebFOCUS Web Parts for Microsoft SharePoint Portal Server 2010

1. From the main menu, click Edit Page
2. In the Editing Tools menu, click the Insert tab.
3. Click the Web Part menu icon, as shown in the following image.
The Web Parts page opens, as shown in the following image.

4. In the Categories section, select the Information Builders folder.

5. In the Web Parts section, select one of the WebFOCUS Web Parts (for example, WebFOCUS Report) you want to add and then click Add.

Microsoft SharePoint Portal Server 2013

The WebFOCUS Web Parts for Microsoft SharePoint Portal Server 2013 are included as a WebFOCUS Solution Package (webfocus.wsp).

The webfocus.wsp solution package for Microsoft SharePoint and script files are located in the following directory where WebFOCUS is installed:

drive:\ibi\WebFOCUS80\utilities\ops\sharepoint

where:

drive:

Is the drive letter corresponding to the location where WebFOCUS is installed.
**Procedure:** How to Install and Verify the WebFOCUS Solution Package for Microsoft SharePoint

1. Navigate to the following Microsoft SharePoint directory where WebFOCUS is installed:

   `drive:\ibi\WebFOCUS80\utilities\ops\sharepoint`

2. Copy the `sharepoint` directory to the system where Microsoft SharePoint Portal Server 2013 is being hosted.

3. Launch the Power Shell command prompt as an Administrator.

4. Navigate to the location of the WebFOCUS files in the `sharepoint` directory that was copied. For example, as shown in the following image:

   `c:\ops\sharepoint`

   ![PowerShell Command Prompt](image)
5. Enter the following command from the Power Shell command prompt, as shown in the following image:

```
PS c:\ops\sharepoint> .\Add.ps1
```

The following prompt is displayed:

Enter the Web Application full url? (http://localhost):

6. Specify the web application where the webfocus.wsp solution package for Microsoft SharePoint is to be deployed (or use the default localhost) and press Enter.
The webfocus.wsp solution package for Microsoft SharePoint is deployed and the Web Parts are enabled.

7. To verify if the webfocus.wsp solution package for Microsoft SharePoint is successfully deployed, access the Central Administration page.

8. Click **System Settings** in the left pane.

   The System Settings page opens, as shown in the following image.

   ![System Settings Image]

9. Click **Manage farm solutions**.
The Solution Management page opens, as shown in the following image.

![Solution Management](image)

Notice that the webfocus.wsp solution package for Microsoft SharePoint is listed with a status of Deployed.

**Procedure:** How to Uninstall the WebFOCUS Solution Package for Microsoft SharePoint

To uninstall the WebFOCUS Solution Package for Microsoft SharePoint (webfocus.wsp) and the Web Parts from the configuration, enter the following command from the Power Shell command prompt as an Administrator:

```
PS c:\ops\sharepoint> .\Remove.ps1
```

**Procedure:** How to Add and Configure WebFOCUS Web Parts

To add WebFOCUS Web Parts to the Microsoft SharePoint Portal Server:

1. Log on to the Microsoft SharePoint Portal Server 2013.
2. Navigate to the page where you want to add WebFOCUS Web Parts.
3. Edit the page.
4. Click the *Insert* tab, as shown in the following image.

![SharePoint Insert Tab](image)

5. Click *Web Part* in the menu bar.
6. From the Categories area in the left pane, click the WebFOCUS Web Parts category (for example, Information Builders).
7. From the Parts area, select the specific WebFOCUS Web Part and click *Add*.
8. To display properties for the Web Part, move your cursor over the right corner of the Web Part to display a drop-down menu.
9. Click *Edit Web Part*.
10. In the WebFOCUS Connection category, edit the Source URL by entering the machine name and port number that points to the WebFOCUS Client.
11. Expand the *Content* category.
12. Edit the context path based on your WebFOCUS Client installation.
13. Click *Apply* and then *OK*.

Repeat steps 8 through 13 for each WebFOCUS Web Part that you added to a page.
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