

HP Project and Portfolio Management Center

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Creating Portlets and Modules

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1 Getting Acquainted with the Standard Interface

In This Chapter:

- *Introduction to the Standard Interface*
 - *Overview of Creating Portlets and Modules*
 - *Standards-Based Portlet Support*
 - *The Configuration Process*
 - *Related Information*
-

Introduction to the Standard Interface

Most HP Project and Portfolio Management Center (PPM Center) users work solely in the standard interface, although some may use the PPM Workbench as well. The standard interface opens in your Web browser, and from it, you can run reports, create requests, and search for packages, among other things.

A key feature of PPM Center is the PPM Dashboard, which provides you with a real-time view into your PPM Center–based activities.

Using Dashboard’s portlets, you can view almost anything, from the status of requests assigned to you, to comparisons between current projects and staffing profiles. *Figure 1-1* shows a PPM Dashboard page that relies on three HP-supplied portlets: Program List, Total Budget, and Request List.

Figure 1-1. Personalized PPM Dashboard page



When you first log on to PPM Center, you are presented with a PPM Dashboard page. The choice of PPM Dashboard page depends on how you personalized your pages; however, HP does provide a default page named “Front Page (Standard PPM Dashboard).”

Overview of Creating Portlets and Modules

Managers (or similar lead personnel) can create, maintain, and share *configured* Dashboard pages and portlets to facilitate communication and coordination for their own projects. For example, your recruiting organization might share the list of current job openings.

Configuring the standard interface in this manner provides a mechanism for managers to share real-time information up and/or down the “chain of command.”

▶ The individuals who plan, set up, and maintain HP–based applications are generally called “application administrators” (or “configurators”) and their responsibilities may also include configuring PPM Dashboard pages.

Figure 1-2 provides a visual overview of the different types of Dashboard pages. This document focuses on the application administrator-configured Dashboard pages; however, [Chapter 4, *Creating and Maintaining PPM Dashboard Pages and Modules*, on page 113](#) briefly describes how users can add preconfigured Dashboard pages.

Figure 1-2. Various types of PPM Dashboard pages

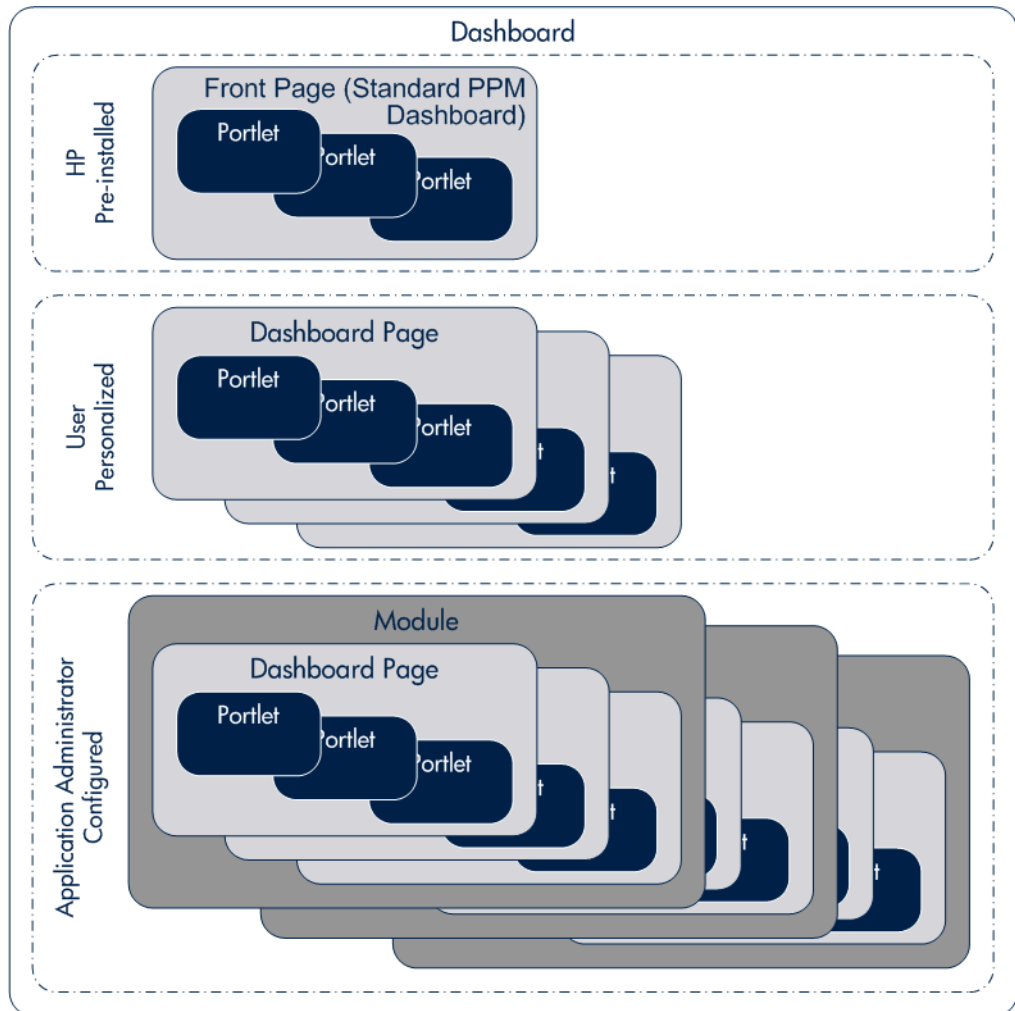
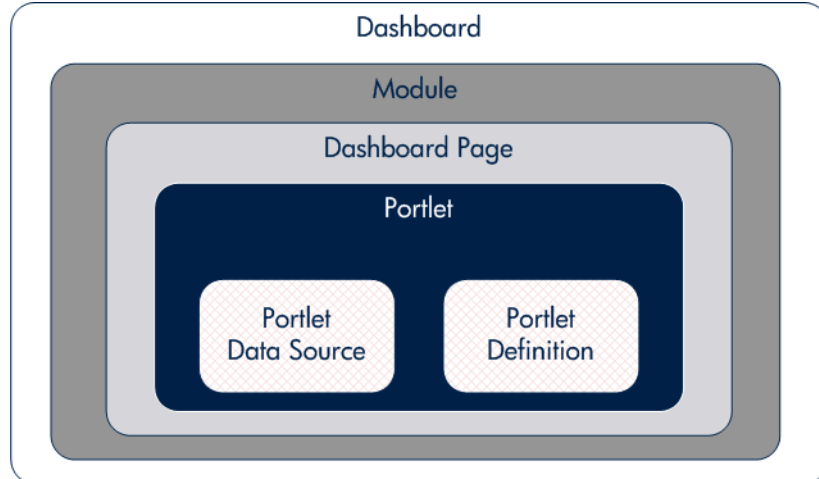


Figure 1-3 details the major components that make up configured Dashboard pages and depicts their relationships.

Figure 1-3. PPM Dashboard components



- **Dashboard.** The PPM Dashboard is one of the key applications provided with PPM Center.

In addition to the pre-installed Front Page and optional user-personalized Dashboard pages, the PPM Dashboard can include one or more modules.

- **Module.** A module is the “container” for one or more Dashboard pages.

Modules are created much like a Dashboard page is personalized by an individual user. Modules are created by application administrators.

- **Dashboard page.** A Dashboard page is the “container” for one or more portlets.

Dashboard pages within a module can be added, modified, and deleted. Similarly, on each Dashboard page, portlets can be added, modified, or deleted.

- **Portlet.** Portlets are the key visualization component of the PPM Dashboard and display information relevant to your PPM Center data. HP provides numerous portlets and additional (personalized or configured) portlets can be created.

In general, portlets rely on the following:

- **Portlet data sources.** These are the SQL queries used to gather the information from the PPM Center database.
- **Portlet definitions.** These are the XML files that define the look and feel of a portlet. Portlet definitions include such information as the type of portlet, user and group access to the portlet, and filter field definitions.

Standards-Based Portlet Support

PPM Center is a Java™-compliant portal, and provides support for Java-compliant portlets that are not included with PPM Center. Java portlets can be developed using the Java API, purchased from vendors (such as Sun Microsystems), or obtained with products (such as WebLogic Portal).

WSRP-compliant portlets are also supported by PPM Center. Web Services for Remote Portlets (WSRP) allows portals to “publish” portlets so that other portals can “consume” them. Use of WSRP portlets simplifies integration between systems and can reduce programming overhead as well as provide continuity for users of multiple systems.

PPM Center provides support for JSR 168 and WSRP standards-compliant portlets. This support is based on the Apache Reference implementations of two specifications: Pluto and WSRP4J. However, the specifications may not be complete in all areas or may be open to interpretation. HP has made design decisions to cover these areas.



HP is committed to provide support for customers implementing these types of portlets, including debugging and diagnosing problems related to the PPM Dashboard. HP does not extend that support to cover the debugging of custom portlet code or configuration files.

To facilitate diagnosis, customers reporting problems to HP-Mercury support (support.Mercury.com) are required to provide a simple, reproducible case that demonstrates the error in the PPM Dashboard.

The Configuration Process

Configuring the standard interface requires steps relating to both creating portlets and making them available. In general, the process is as follows:

1. Create a portlet:
 - a. Create a portlet data source. See [Chapter 2, *Creating and Maintaining Portlet Data Sources*](#), on page 21, for specifics.
 - b. Create a portlet definition. See [Chapter 3, *Creating and Maintaining Portlet Definitions*](#), on page 49, for more information.
2. Create and share a module and its Dashboard page(s). See [Chapter 4, *Creating and Maintaining PPM Dashboard Pages and Modules*](#), on page 113, to learn more about these topics.

Related Information

The following documents also include information related to creating and sharing portlets and modules:

- *Commands, Tokens, and Validations Guide and Reference*
- *Reports Guide and Reference*
- *Security Model Guide and Reference*

The following documents also provide insights into the user experience with PPM Dashboard pages:

- *Customizing the Standard Interface*
- *Getting Started*

2 Creating and Maintaining Portlet Data Sources

In This Chapter:

- *Overview of Portlet Data Sources*
 - *Searching For and Viewing Existing Portlet Data Sources*
 - *Creating or Modifying Portlet Data Sources*
 - *Completing the General Information Section*
 - *Completing the Data Source Tab*
 - *Completing the Filter Fields Tab*
 - *Completing the Ownership Tab*
 - *Copying Portlet Data Sources*
 - *Deleting Portlet Data Sources*
 - *Viewing Portlet Definition Usage*
 - *Supplemental Details for the Data Source Column Window*
 - *Text–Based Column Types Details*
 - *Hyperlink Column Type Details*
 - *Currency Column Type Details*
-

Overview of Portlet Data Sources

Portlet data sources contain the following components:

- The filter fields found on the edit page for the portlet.
- The permissions allowing editing of the portlet data source.
- The SQL query used by the portlet definition to retrieve data from the PPM Center database.

A portlet data source SQL query consists of the following:

- **SELECT/FROM.** This statement is used to select columns from the designated database table.

These columns are used by the portlet definition, such as a column in a list portlet or the x-axis in a bubble chart portlet.

For example:

```
SELECT OBJECT_TYPE, OBJECT_NAME, REVISION_NUMBER  
FROM KACC_PSFT_VC_V
```

- **WHERE.** This clause is used to specify selection criterion.

For example:

```
WHERE LOCKED_FLAG="Y"
```

- **GROUP BY or ORDER BY.** These keywords are used to aggregate or sort the result.

For example:

```
ORDER BY OBJECT_TYPE
```

The following is a complete SQL query for a portlet data source:

```
SELECT OBJECT_TYPE, OBJECT_NAME, REVISION_NUMBER  
FROM KACC_PSFT_VC_V  
WHERE LOCKED_FLAG="Y"  
ORDER BY OBJECT_TYPE
```

Portlet definitions and portlet data sources have the following relationships:

- A portlet definition can be linked to only one portlet data source.
- A portlet data source can be linked to multiple portlet definitions.

Portlet data sources are constructed using the Data Source Workbench, sometimes called the Data Source Builder.

From the Data Source Workbench you can:

- Search for and view portlet data sources; see *Searching For and Viewing Existing Portlet Data Sources* on page 24
- Create new portlet data sources or modify existing ones; see *Creating or Modifying Portlet Data Sources* on page 26
- Use existing portlet data sources as the basis for new portlet data sources; see *Copying Portlet Data Sources* on page 41
- Delete existing portlet data sources; see *Deleting Portlet Data Sources* on page 43
- View portlet definition usage; see *Viewing Portlet Definition Usage* on page 44

HP-supplied portlet data sources cannot be modified or deleted.

Searching For and Viewing Existing Portlet Data Sources

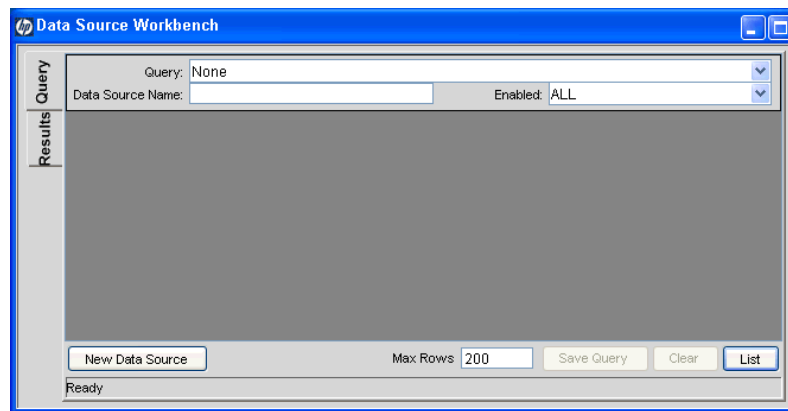
To search for a portlet data source:

1. Log on to PPM Center.
2. From the menu bar, select **Administration > Open Workbench**.

The PPM Workbench opens.

3. From the shortcut bar, select **Dashboard > Data Sources**.

The Data Source Workbench opens.



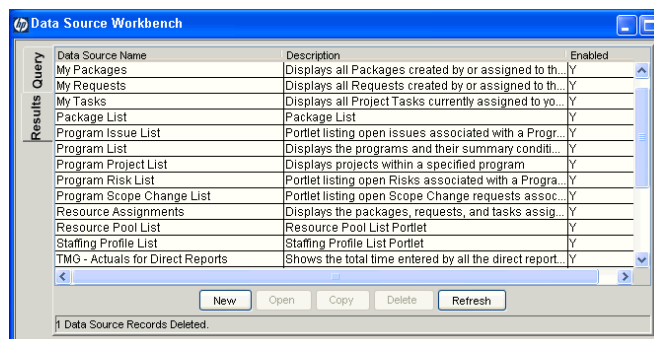
4. On the **Query** tab, provide the search criteria.



To display all portlet data sources, click **List** without providing any search criteria.

5. Click **List**.

The **Results** tab appears, displaying the results of the search.



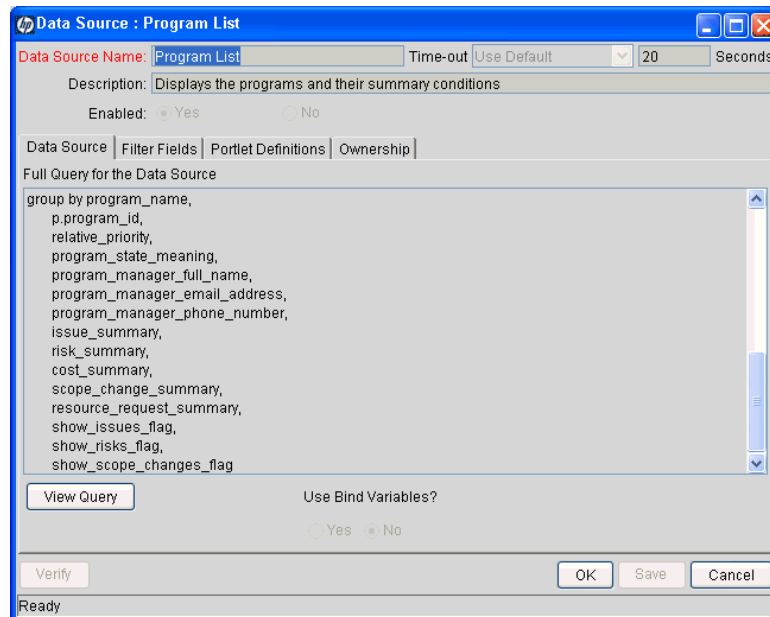
6. (Optional) To view a portlet data source, either:

- Double-click a portlet data source.
- Select a portlet data source and click **Open**.



Use the **Shift** or **Ctrl** keys to select multiple portlet data sources.

The Data Source : *<Data Source Name>* window opens.



Creating or Modifying Portlet Data Sources

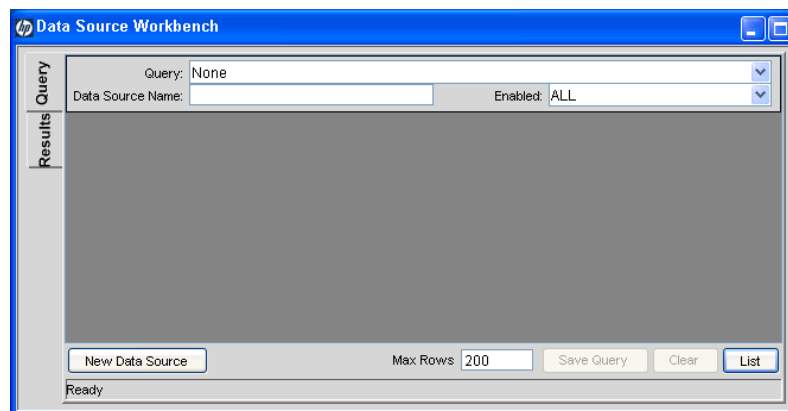
To update an existing portlet data source, or to create an entirely new portlet data source:

1. Log on to PPM Center.
2. From the menu bar, select **Administration > Open Workbench**.

The PPM Workbench opens.

3. From the shortcut bar, select **Dashboard > Data Sources**.

The Data Source Workbench opens.



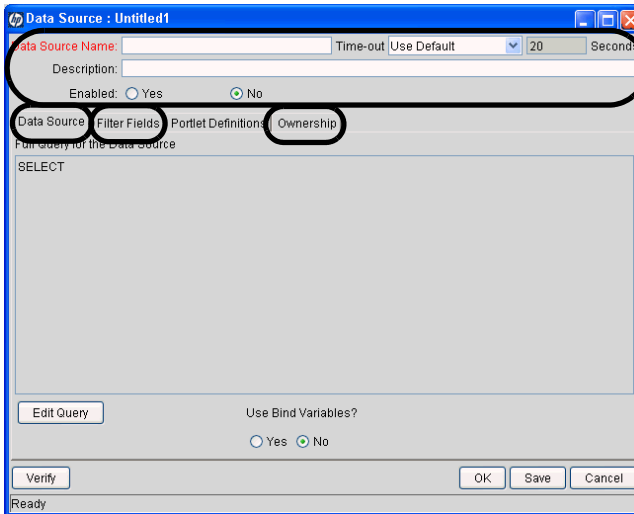
4. To:

- Create an entirely new portlet data source, either:
 - On the **Query** tab, click **New Data Source**.
 - On the **Results** tab, click **New**.
- Modify an existing portlet data source:
 - View the portlet data source (as described in *Searching For and Viewing Existing Portlet Data Sources* on page 24).



HP-supplied portlet data sources cannot be modified.

The Data Source : *<Data Source Name>* window opens.



5. Provide information for each of the following areas before proceeding to the next step.
 - **General information.** Use these fields to set general information regarding the portlet data source, such as the name of the portlet data source and its description. See *Completing the General Information Section* on page 28 for details.
 - **Data Source.** Use this tab to define the columns of the portlet data source and create the SQL query. See *Completing the Data Source Tab* on page 30 for details.
 - **Filter Fields.** Use this tab to create the filter fields found on a portlet's edit page. See *Completing the Filter Fields Tab* on page 38 for details.
 - **Ownership.** Use this tab to set who can edit the portlet data source. See *Completing the Ownership Tab* on page 40 for details.

The **Portlet Definitions** tab is used to identify which portlet definitions rely on this portlet data source. A new portlet data source will not have any portlet definitions associated with it.

This tab is detailed in *Viewing Portlet Definition Usage* on page 44.

- (Optional) At any time, you can click **Save** to commit your changes. See the tip following *Table 2-1* on page 29 for additional considerations and suggestions.

You can also click **Cancel** to discard any changes. However, if you have provided a unique **Data Source Name** and clicked **Save** (at least once), the portlet data source has been created with the information entered as of the last **Save**.

- (Optional, although highly recommended) On the Data Source : <Data Source Name> window, click **Verify** to validate the SQL statement.

Make any necessary corrections to the SQL by clicking **Edit Query** on the **Data Source** tab.

- Click **OK** to save your changes and close the window.

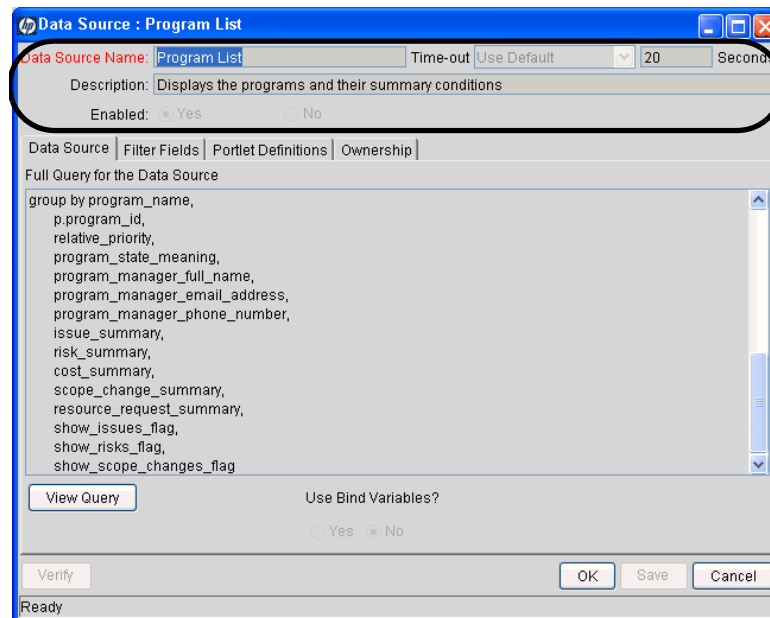
The Data Source : <Data Source Name> window closes and the Data Source Workbench is updated.

On the **Results** tab, click **Data Source Name** to have the portlet data sources appear in alphabetical sequence. Clicking **Data Source Name** a second time reverses the sort order.



Completing the General Information Section

Figure 2-1. General information area for portlet data sources



To complete (or update) the general information area of the Data Source : <Data Source Name> window:

1. Provide the settings using the information from the following table.

Table 2-1. Portlet data source general information field descriptions

Field Name (*Required)	Description
*Data Source Name	Specify a unique name for the portlet data source. Type any alphanumeric string.
Time-out	Select the timeout to use. Choices include: <ul style="list-style-type: none">■ Use Default■ Data Source Specific
Seconds	If Time-out has a value of Data Source Specific , specify the number of seconds before the portlet data source's query should time out. Type any integer greater than zero.
Description	Specify a description for the portlet data source. Type any alphanumeric string.
Enabled	Indicate whether or not this portlet data source is available for use.

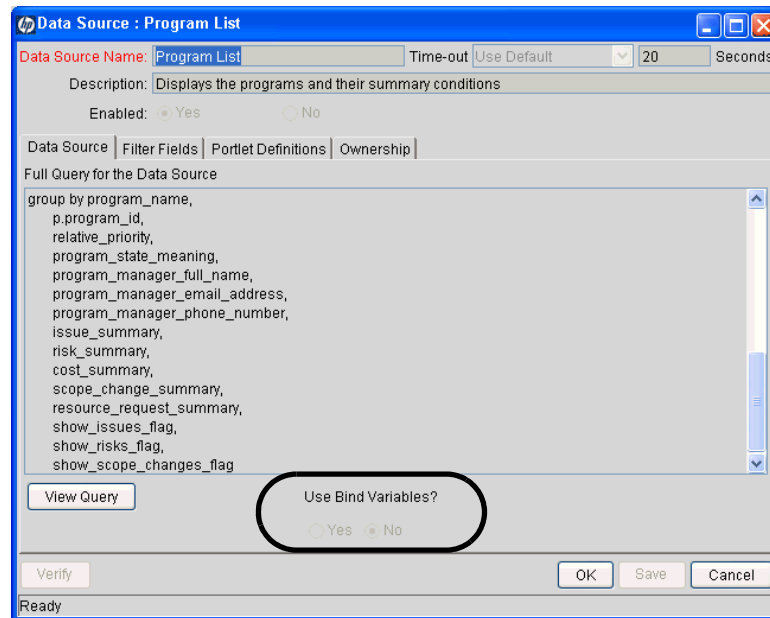


To allow incremental saving of your settings without impacting any users, set the **Enabled** field to **No** when initially defining the portlet data source. Once the portlet data source definition is complete, reset this field to **Yes**.

2. (Optional) Click **Save** to commit these changes.

Completing the Data Source Tab

Figure 2-2. Data Source tab for portlet data sources



To complete (or update) the **Data Source** tab of the Data Source : *<Data Source Name>* window:

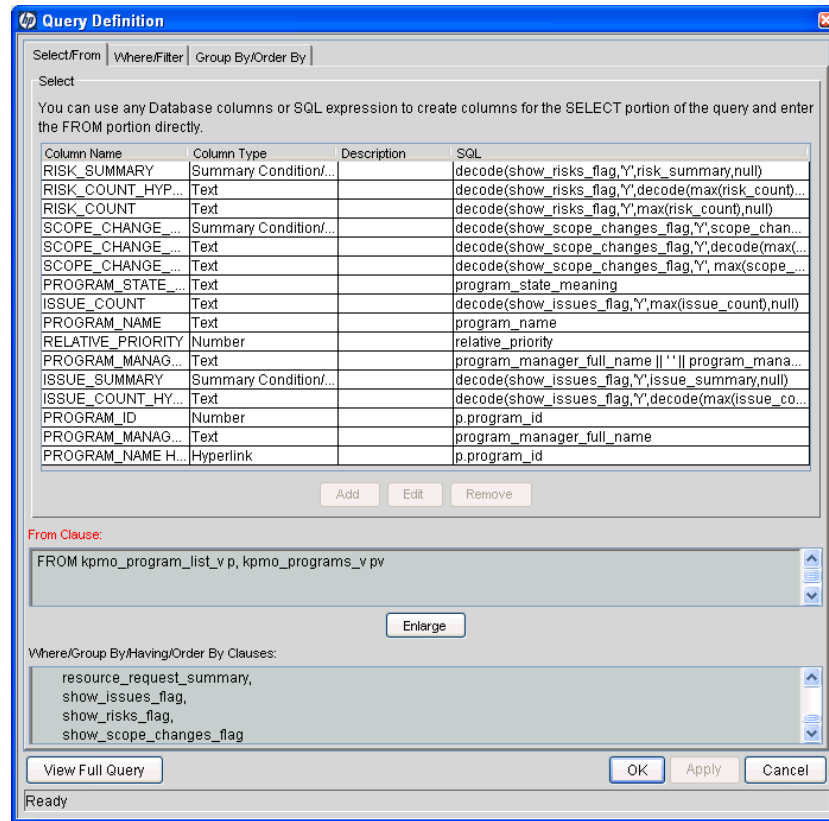
1. Set **Use Bind Variables**.

The **Use Bind Variables** option should be set to **Yes**, except when:

- Any of the filter fields are multi-select-enabled
- The portlet query statement includes tokens

2. Click **Edit Query**.

The Query Definition window opens.



3. Provide the following information before proceeding to the next step.

- **Select/From.** Use this tab to create the columns and add the SELECT and FROM clauses for the SQL query. See *Completing the Select/From Tab* on page 32 for details.
- **Where/Filter.** (Optional) Use this tab to add WHERE clauses to the SQL query. See *Completing the Where/Filter Tab* on page 34 for details.
- **Group By/Order By.** (Optional) Use this tab to add GROUP BY or ORDER BY clauses. See *Completing the Group By/Order By Tab* on page 36 for details.

4. (Optional) Click **View Full Query** to see the entire SQL query—the composite of the information from each of the tabs.
5. Click **Apply** to commit any interim changes. Click **OK** to save your changes and close the window.

Completing the Select/From Tab

The **Select/From** tab allows you to construct the SQL query the portlet data source executes.

- **Select.** This statement identifies *one or more columns* to be included in the query.

For example, the following shows a complete SQL query for a portlet data source (the SELECT statement portion of the SQL query is shown in italics):

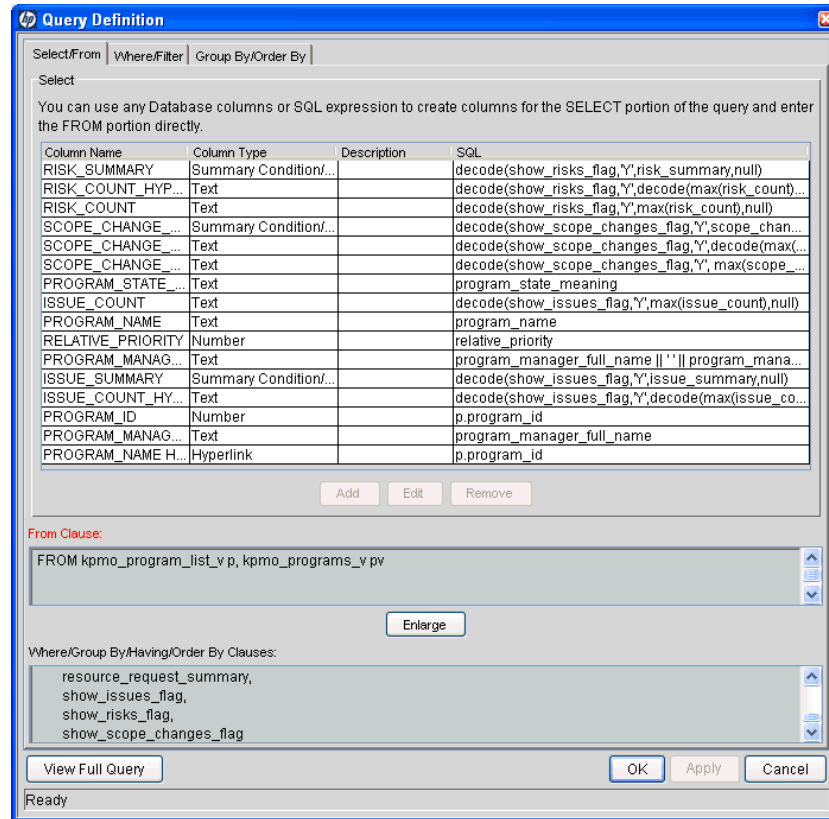
```
SELECT OBJECT_TYPE, OBJECT_NAME, REVISION_NUMBER  
FROM KACC_PSFT_VC_V  
WHERE LOCKED_FLAG="Y"  
ORDER BY OBJECT_TYPE
```

- **From.** This clause selects the *table* that the columns are selected from.

For example, the following shows a complete SQL query for a portlet data source (the FROM clause portion of the SQL query is shown in italics):

```
SELECT OBJECT_TYPE, OBJECT_NAME, REVISION_NUMBER  
FROM KACC_PSFT_VC_V  
WHERE LOCKED_FLAG="Y"  
ORDER BY OBJECT_TYPE
```


Figure 2-3. Select/From tab of the Query Definition window



To complete (or update) the **Select** section on the **Select/From** tab in the Query Definition window:

1. (Optional) To change the settings for any existing column:
 - a. Select a column.
 - b. Click **Edit** in the **Select** section.
The Data Source Column. <Column Name> windows opens.
 - c. The information that should be provided depends on the Column Type. See *Supplemental Details for the Data Source Column Window* on page 45 for the details associated with each column type.
 - d. Click **Save** to commit any interim changes. Click **OK** to save your changes and close the window.

2. (Optional) To include a new column.
 - a. Click **Add** in the **Select** section.

The Data Source Column: New window opens.
 - b. The information that should be provided depends on the Column Type. See *Supplemental Details for the Data Source Column Window on page 45* for the details associated with each column type.
 - c. Click **Save** to commit any interim changes. Click **OK** to save your changes and close the window.
3. Repeat [step 1](#) and [step 2](#) until all the desired columns are included.
4. In the **From Clause** section of the **Select/From** tab of the Query Definition window, complete the associated clause.

This is a free-form SQL entry area.



Click **Enlarge** to create a larger text entry field.

5. Click **Apply** to commit your changes. Click **OK** to save your changes and close the window.

Completing the Where/Filter Tab

The **Where/Filter** tab allows you to construct the SQL query the portlet data source executes.

- **Where.** This clause is used to specify the selection criteria.

For example, the following shows a complete SQL query for a portlet data source (the WHERE clause portion of the SQL query is shown in italics):

```
SELECT OBJECT_TYPE, OBJECT_NAME, REVISION_NUMBER
FROM KACC_PSFT_VC_V
WHERE LOCKED_FLAG="Y"
ORDER BY OBJECT_TYPE
```

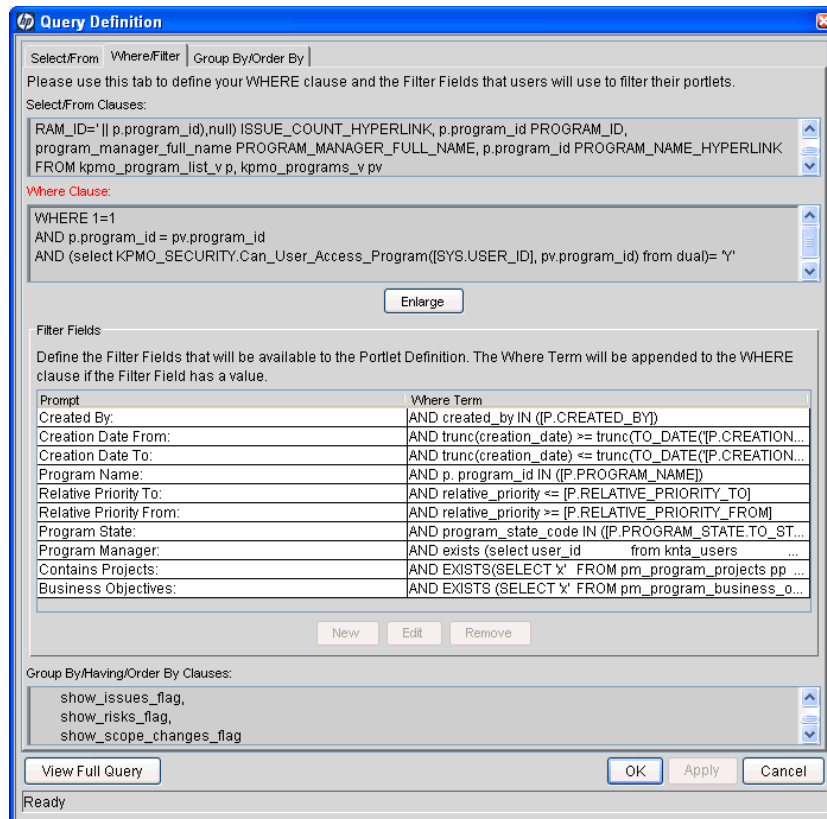
- **Filter.** This clause is used to specify the filter fields that appear on the portlet's edit page.

Each filter field is appended to the WHERE clause of the portlet query, but only when the filter field is being used by a PPM Dashboard user.

Filter field values can be used in the SQL by using the token name `P.TOKEN_NAME` or `VP.TOKEN_NAME`.



Figure 2-4. Where/Filter tab of the Query Definition window



To complete (or update) the **Where Clause** section on the **Where/Filter** tab in the Query Definition window:

1. Complete the associated clause.

The **Where Clause** section defines the WHERE clause of the portlet query.

This is a free-form SQL entry area.



Click **Enlarge** to create a larger text entry field.

2. (Optional) To change the settings for an existing filter field:

- a. Select a filter field.
- b. Click **Edit** in the **Filter Fields** section.

The Filter: *<Filter Field>* window opens.

- c. Provide the data as detailed in *Completing the Filter Fields Tab* on page 38.

- d. Click **Apply** to commit any interim changes. Click **OK** to save your changes and close the window.

3. To include a new filter field:

- a. Click **New** in the **Filter Fields** section.

The Filter: New window opens.

Adding filter fields here has the same results as adding filter fields using the **Filter Fields** tab as the Data Source : <Data Source Name> window.

The differences in the two areas is how the information is visually displayed.

- In the **Filter Fields** section of the Query Definition window, the SQL clauses are displayed.
- On the **Filter Fields** tab of the Data Source : <Data Source Name> window, the PPM Center entities are displayed.

- b. Provide the data as detailed in *Completing the Filter Fields Tab on page 38*.

- c. Click **Add** to commit any interim changes. Click **OK** to save your changes and close the window.

4. Repeat [step 2](#) and [step 3](#) until all the desired filter fields are included.

5. Click **Apply** to commit your changes. Click **OK** to save your changes and close the window.

Completing the Group By/Order By Tab

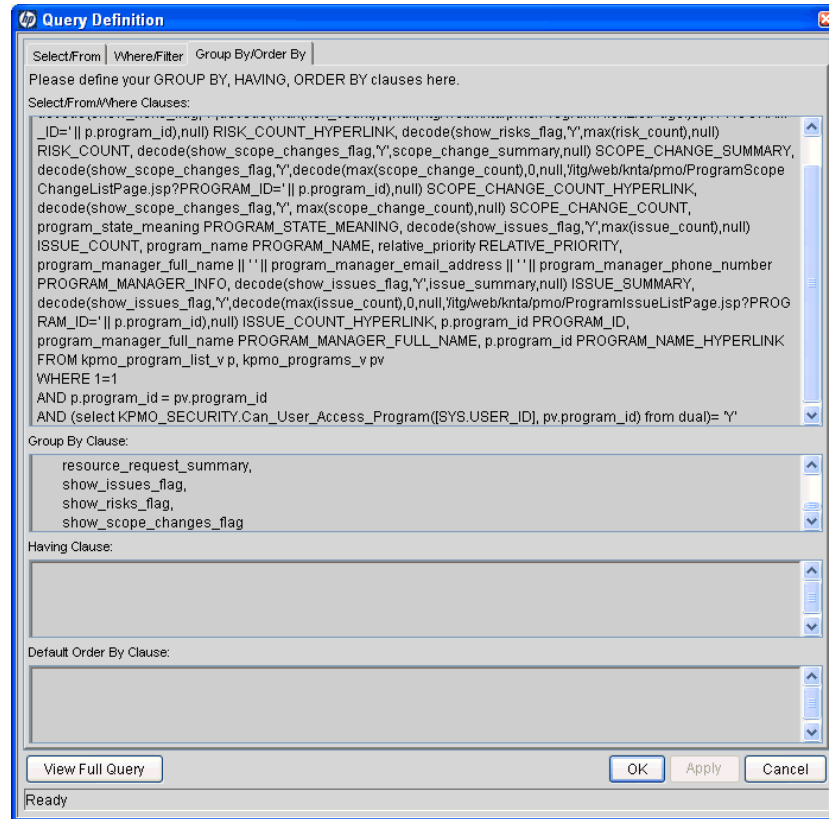
The **Group By/Order By** tab allows you to refine the SQL query the portlet data source executes.

- **GROUP BY.** Adds a keyword to aggregate the result.
- **ORDER BY.** Adds a keyword to sort the result.

For example, the following shows a complete SQL query for a portlet data source (the ORDER BY portion of the SQL query is shown in italics):

```
SELECT OBJECT_TYPE, OBJECT_NAME, REVISION_NUMBER
FROM KACC_PSFT_VC_V
WHERE LOCKED_FLAG="Y"
ORDER BY OBJECT_TYPE
```

Figure 2-5. Group By/Order By tab of the Query Definition window



To complete (or update) the **Group By/Order By** tab in the Query Definition window:

1. In the **Group By Clause** section, provide the GROUP BY or ORDER BY terms.

This is a free-form SQL entry area.

2. In the **Having Clause** section, provide the HAVING terms.

This is a free-form SQL entry area.

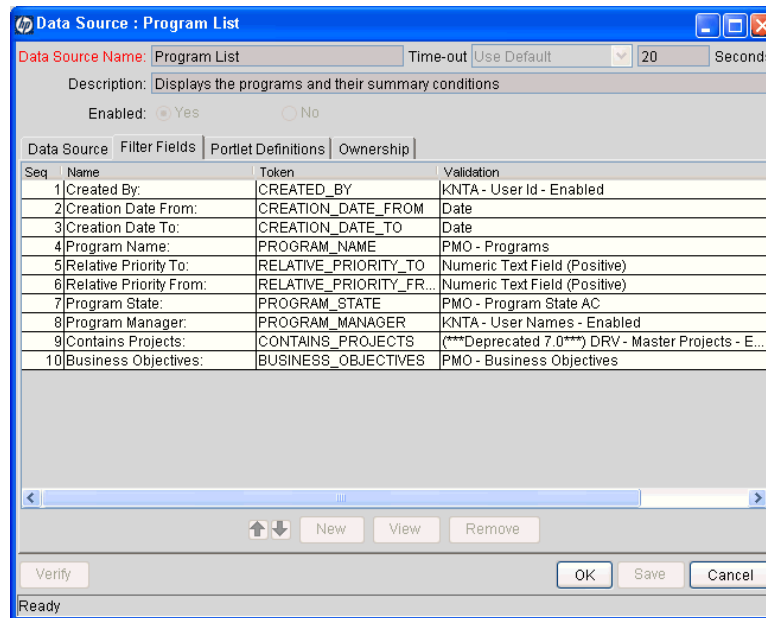
3. In the **Default Order By Clause** section, provide the default ORDER BY terms.

This is a free-form SQL entry area.

4. Click **Apply** to commit your changes. Click **OK** to save your changes and close the window.

Completing the Filter Fields Tab

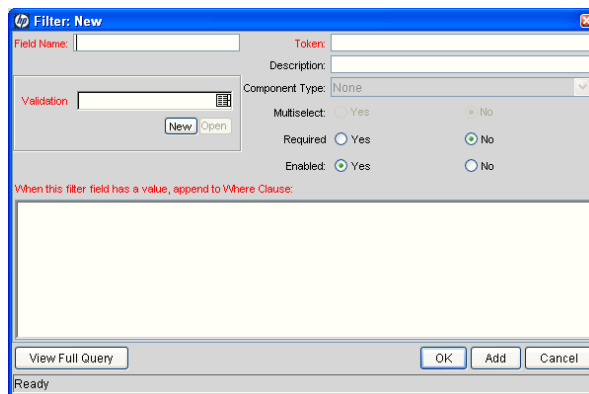
Figure 2-6. Filter Fields tab for portlet data source



To complete (or update) the Filter Fields tab in the Data Source : *<Data Source Name>* window:

1. (Optional) To change the settings for an existing filter field:
 - a. Select a filter field.
 - b. Click **Edit**.

The Filter: *<Filter Field>* window opens.



- c. Provide the filter criteria using the information from the following table.

Each filter field is appended to the WHERE clause of the portlet query, but only when the filter field is being used by a PPM Dashboard user.

Filter field values can be used in the SQL by using the token name `P.TOKEN_NAME` or `VP.TOKEN_NAME`.

Field Name (*Required)	Description
*Field Name	Specify a name for the filter field that should be shown in the portlet's edit page. Type any alphanumeric string.
*Token	Specify the token for the filter field.
Description	Specify a description for the filter field. Type any alphanumeric string.
*Validation	Select the validation for the filter field. Choices are limited to those validations available on your PPM Center instance.
Default Value	The default value for the filter field, determined by its validation.
Multiselect	Indicate whether or not the filter field is enabled for multi-select.
Required	Indicate whether or not the filter field is required on the portlet's edit page.
Display Only	Indicates whether the filter field can be updated.
Enabled	Indicates whether or not the filter field is enabled.
*When this filter has a value, append to Where Clause	Provide the AND clause that is appended to the portlet's WHERE clause if you enter a value in this filter field.

- d. Click **Apply** to commit any interim changes. Click **OK** to save your changes and close the window.
2. (Optional) To include a new filter field:
 - a. Click **New**.
The Filter: New window opens.
 - b. Provide the filter criteria using the information from the previous table.
 - c. Click **Add** to commit any interim changes. Click **OK** to save your changes and close the window.

3. Repeat [step 1](#) and [step 2](#) until all the desired filter fields are included.
4. Click **Save** to commit your changes. Click **OK** to save your changes and close the window.

Completing the Ownership Tab

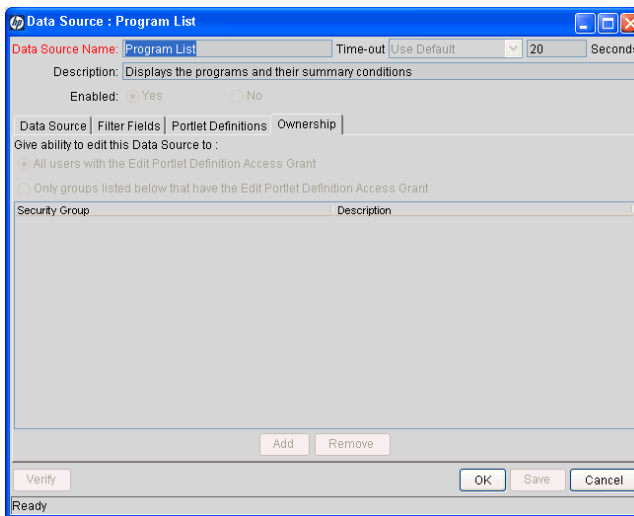
Only members of the security groups specified in the Ownership window can edit, copy, or disable a specific portlet. If a security group is disabled or the System: Edit Portlet Definition access grant is removed, that group no longer has access to the portlet.

If no ownership groups are associated with the entity, the entity is considered global and any user with the proper edit access grant for the entity can edit, copy, or disable it. Users with the System: Ownership Override access grant can access configuration entities even if the user is not a member of one of the ownership groups and does not have the specific edit access grant.



For more information concerning access grants, refer to the *Security Model Guide and Reference*.

Figure 2-7. Ownership tab for the portlet data source



To complete (or update) the **Ownership** tab in the Data Source : <Data Source Name> window:

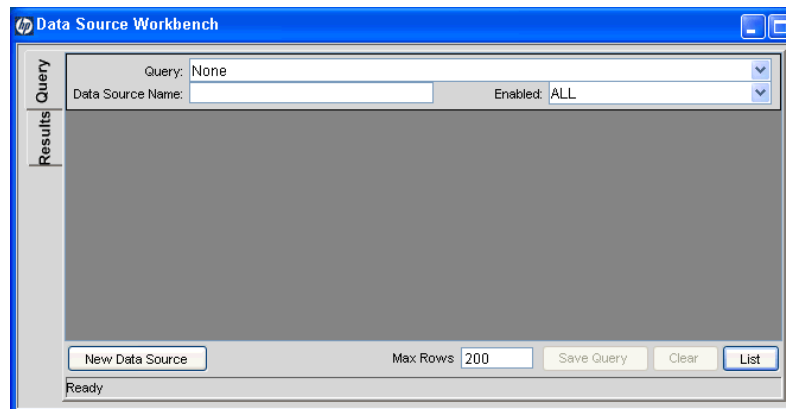
1. Indicate whether to allow changes to the portlet data source to be made by:
 - All users with the System: Edit Portlet Definition access grant
 - Only groups listed below that have the System: Edit Portlet Definition access grantUse the **Add** and **Remove** buttons the refine the list of allowed users.
2. Click **Save** to commit your changes. Click **OK** to save your changes and close the window.

Copying Portlet Data Sources

To create a new portlet data source using an existing portlet data source as the basis:

1. Log on to PPM Center.
 2. From the menu bar, select **Administration > Open Workbench**.
- The PPM Workbench opens.
3. From the shortcut bar, select **Dashboard > Data Sources**.

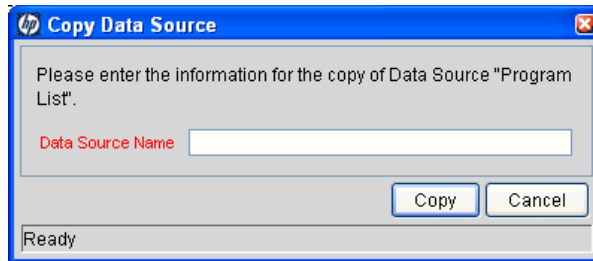
The Data Source Workbench opens.



4. Search for and select a portlet data source (see [Searching For and Viewing Existing Portlet Data Sources](#) on page 24).

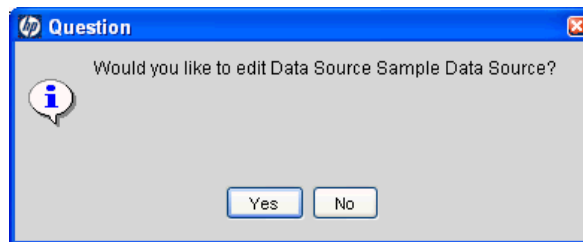
5. Click **Copy**.

The Copy Data Source window opens.



6. In the **Data Source Name** field, specify a unique name for the portlet data source.
7. Click **Copy**.

The Question window opens.



8. Click **Yes** if you would like to edit the portlet data source. Otherwise, click **No**.
9. (Optional) If you clicked **Yes** in the previous step, modify the portlet data source using the information described in *Creating or Modifying Portlet Data Sources* on page 26.

Deleting Portlet Data Sources

To delete an existing portlet data source:

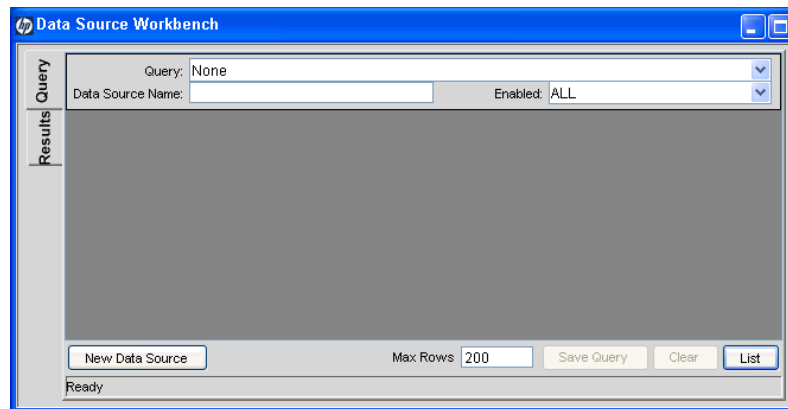
▶ HP-supplied portlet data sources cannot be deleted.

1. Log on to PPM Center.
2. From the menu bar, select **Administration > Open Workbench**.

The PPM Workbench opens.

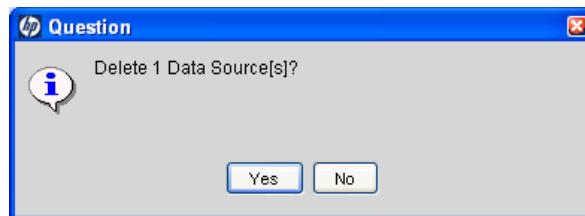
3. From the shortcut bar, select **Dashboard > Data Sources**.

The Data Source Workbench opens.



4. Search for and select one or more portlet data sources (see *Searching For and Viewing Existing Portlet Data Sources* on page 24).
5. Click **Delete**.

The Question window opens.



6. Click **Yes** to remove the portlet data source(s). Otherwise, click **No**.

If you clicked **Yes**, the Data Source Workbench is updated (and the deleted portlet data source no longer appears in the list).

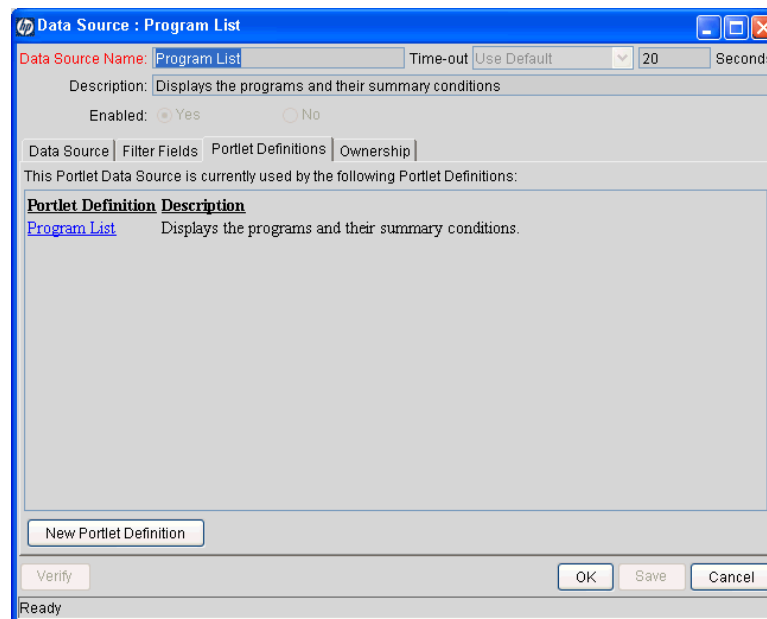
Viewing Portlet Definition Usage

The **Portlet Definitions** tab allows you to view all of the portlet definitions currently linked to the portlet data source.

From the Portlet Data Source window, on the **Portlet Definitions** tab, you can:

- View all of the portlet definitions linked to the portlet data source.
Remember that portlet definitions and portlet data sources have the following relationships:
 - A portlet definition can be linked to only one portlet data source.
 - A portlet data source can be linked to multiple portlet definitions.
- Open the portlet definition by clicking on the portlet definition name. This opens the Portlet Definition wizard. The Portlet Definition wizard is populated with the information for the selected portlet definition.
- Create a new portlet definition by clicking **New Portlet Definition**. This opens the Portlet Definition wizard.

Figure 2-8. Portlet Data Source window, Portlet Definitions tab



Supplemental Details for the Data Source Column Window

Adding columns to the Query Definition window relies on the Data Source Column window. The fields of the Data Source Column window vary, depending on the column type selected.

See the associated details for the following column types:

- Text, Date, Number, or Summary Condition/Exception, see *Text-Based Column Types Details* on page 45
- Hyperlink, see *Hyperlink Column Type Details* on page 46
- Currency, see *Currency Column Type Details* on page 47

Text-Based Column Types Details

Figure 2-9. Text-based column types in Data Source Column window

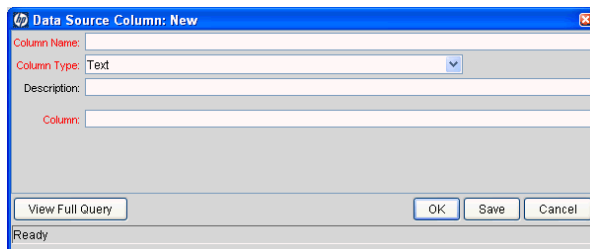


Table 2-2. Text-based column types field descriptions

Field Name (*Required)	Description
*Column Name	Specify the name of the column. Type any alphanumeric string.
*Column Type	Select one of the following: <ul style="list-style-type: none">• Text• Date• Number• Summary Condition/Exception
Description	Specify a brief description of the column. Type any alphanumeric string.
*Column	Specify the database column name used for the column. Choices are limited to the column names available on your PPM Center instance.

Hyperlink Column Type Details

Figure 2-10. Hyperlink column type in the Data Source Column window

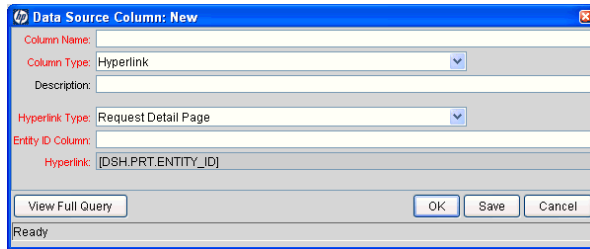


Table 2-3. Hyperlink column type field description (page 1 of 2)

Field Name (*Required)	Description
*Column Name	Specify the name of the column. Type any alphanumeric string.
*Column Type	Select Hyperlink .
Description	Specify a brief description of the column. Type any alphanumeric string.
*Hyperlink Type	<p>Select the type of hyperlink to create from this column.</p> <p>Choices include:</p> <ul style="list-style-type: none"> ■ Request Detail Page ■ Package Detail Page ■ Task Detail Page ■ Project Detail Page ■ Project Overview Page ■ Custom Hyperlink <p>When Custom Hyperlink is selected, the Hyperlink field becomes editable and required. Otherwise, the Hyperlink field is read-only and displays a preview of the link is created (for example, <code>/itg/crt/RequestDetail.jsp?REQUEST_ID=[PRT.ENTITY_ID]</code>).</p>

Table 2-3. Hyperlink column type field description (page 2 of 2)

Field Name (*Required)	Description
*Entity ID Column	<p>Specify the SQL expression used to make a column in the final query.</p> <p>This column should contain values which are Request IDs (such as, Request Detail Page type Hyperlinks).</p> <p>In the case of the Custom Hyperlink, the values from this column are used to resolve the token <code>PRT.ENTITY_ID</code>, which can be used in the text of the hyperlink.</p>
*Hyperlink	<p>Specify the actual hyperlink text, which should be of one of the following forms:</p> <ul style="list-style-type: none"> ■ <code><PPM_Home>/some/page</code> ■ <code>http://machine.server.com/page.html</code> <p>The valid tokens are <code>DSH.PRT.ENTITY_ID</code>, <code>DSH.PRT.ENTITY_ID.TO_URL</code>, and <code>SYS.USERNAME</code>.</p>

Currency Column Type Details

Figure 2-11. Currency column type in the Data Source Column window

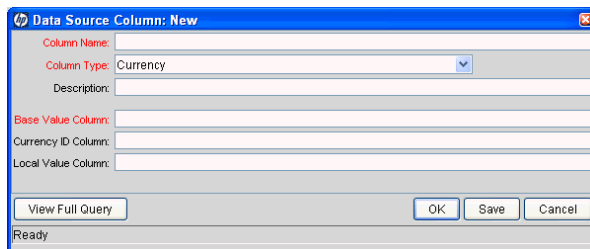


Table 2-4. Currency column type field descriptions (page 1 of 2)

Field Name (*Required)	Description
*Column Name	Specify the name of the column. Type any alphanumeric string.
*Column Type	Select Currency .
Description	Specify a brief description of the column. Type any alphanumeric string.

Table 2-4. Currency column type field descriptions (page 2 of 2)

Field Name (*Required)	Description
*Base Value Column	<p>Specify the column whose values are costs in the base currency that appears for the currency column.</p> <p>These values are displayed if the user has configured their PPM Dashboard to show costs in the system's base currency.</p>
Currency ID Column	<p>Specify the column whose values are the ID of the local currency.</p> <p>This value is never displayed; however, it is used to determine how the local currency value (see Local Value Column) is formatted.</p>
Local Value Column	<p>Specify the column whose values are costs in the local currency that appears for the currency column.</p> <p>These values are displayed (and formatted appropriately for the selected currency) if the user configured their PPM Dashboard to show costs in the local currency.</p>

3 Creating and Maintaining Portlet Definitions

In This Chapter:

- *Overview of Portlet Definitions*
 - *HP-Supplied Portlet Definitions*
 - *HP-Imported Portlet Definitions*
 - *Imported Java and WSRP Portlet Definitions*
 - *Standard Portlet Definitions*
 - *Searching for Existing Portlet Definitions*
 - *Creating New Portlet Definitions*
 - *Copying Portlet Definitions*
 - *Modifying Portlet Definitions*
 - *Deleting Portlet Definitions*
 - *Importing Java Portlet Definitions*
 - *Importing WSRP Portlet Definitions*
 - *Migrating Portlet Definitions*
 - *Defining a Drilldown Page*
 - *Usage Example*
 - *Defining a Drilldown Page*
 - *Usage Samples*
 - *Managing Portlet Categories*
 - *Adding Portlet Categories*
 - *Deleting Portlet Categories*
 - *Supplemental Details for the Set Up Display Option Step*
 - *List Portlet*
 - *Bar Chart Portlet*
 - *Clustered Bar Chart Portlet*
 - *Stacked Bar Chart Portlet*
 - *Pie Chart Portlet*
 - *Line Chart Portlet*
 - *Bubble Chart Portlet*
 - *Selecting Portlet Colors*
 - *Defining Color Maps in the Portlet Data Source*
 - *Specifying the Color Map in the Portlet Definition*
-

Overview of Portlet Definitions

PPM Center portlets include:

- **Builder Portlets.** These are portlets created with the Portlet Definition wizard and Data Source Workbench.

HP supplies several builder portlets as part of PPM Center. You can create your own custom builder portlets using the Portlet Definition wizard and Data Source Workbench.

- **Java Portlets.** These portlets are written in Java and imported into PPM Center using the Portlet Definition wizard. Java portlets consist of a Java portlet definition and the Java code.
- **WSRP Portlets.** These portlets are defined by a producer Web service and imported into PPM Center using the Portlet Definition wizard. WSRP portlets have a WSRP portlet definition that references the URL of the WSRP portlet. That is, WSRP portlet definitions are a proxy to a remote portlet definition maintained by the producer and accessible through a Web service.

These PPM Center portlets rely on the following types of portlet definitions:

- **HP-supplied portlet definitions.** These portlet definitions are provided by HP as part of a PPM Center application.
- **HP-imported portlet definitions.** These portlet definitions are imported by HP as part of a PPM Center application.
- **Standard portlet definitions.** These portlet definitions are created using the Portlet Definition wizard (*Creating New Portlet Definitions on page 55*).
- **Java portlet definitions.** These portlet definitions are imported using the Import Portlet Definition wizard (see *Importing Java Portlet Definitions on page 67*) and maintained using the Portlet Definition wizard (*Creating New Portlet Definitions on page 55*).
- **WSRP portlet definitions.** These portlet definitions are imported using the Import Portlet Definition wizard (see *Importing Java Portlet Definitions on page 67*) and maintained using the Portlet Definition wizard (*Creating New Portlet Definitions on page 55*).

HP-Supplied Portlet Definitions

PPM Center applications, such as HP Portfolio Management IT Governance Portfolio Management and HP Demand Management, may include their own portlet definitions.

These HP-supplied portlet definitions:

- Cannot be deleted
- Cannot have their displays or preferences changed in any way
- Can be modified by:
 - Copying portlet definitions
 - Changing user and administrator access
 - Changing user help (for builder portlets only)

HP-Imported Portlet Definitions

PPM Center applications may include their own imported Java or WSRP portlet definitions.

These HP-imported portlet definitions:

- Cannot be deleted
- Can be modified by:
 - Changing user and administrator access
 - Changing general information

Imported Java and WSRP Portlet Definitions

Any Java portlet definitions or WSRP portlet definitions that you have imported using the Import Portlet Definition wizard:

- Can be deleted
- Can be modified by:
 - Configuring user and administrator access
 - Changing general information

Standard Portlet Definitions

Any standard portlet definitions that you have created using the Create Portlet Definition wizard:

- Can be deleted
- Can have *any* of their settings changed

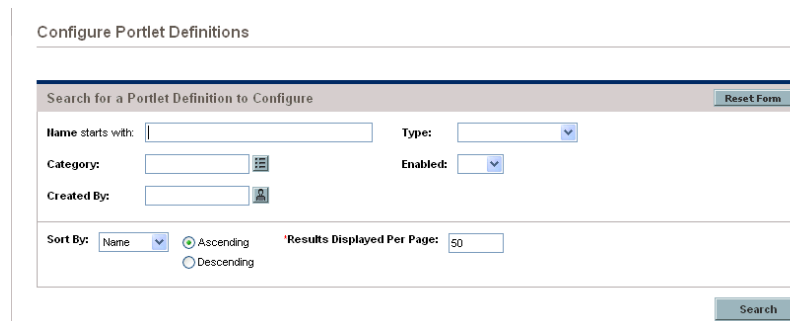
▶ These portlet definitions are sometimes termed “builder portlet definitions” since they were *built* using the Create Portlet Definition wizard.

Searching for Existing Portlet Definitions

To search for an existing portlet definition.

1. Log on to PPM Center.
2. From the menu bar, select **Administration > Portlet Definitions > Configure Portlet Definitions**.

The Configure Portlet Definitions page appears.



The screenshot shows the 'Configure Portlet Definitions' page. At the top, there is a search bar with the text 'Search for a Portlet Definition to Configure' and a 'Reset Form' button. Below the search bar, there are several filters: 'Name starts with:' with a text input field, 'Type:' with a dropdown menu, 'Category:' with a text input field and a list icon, and 'Enabled:' with a dropdown menu. At the bottom, there is a 'Sort By:' section with a dropdown menu set to 'Name', radio buttons for 'Ascending' (selected) and 'Descending', and a 'Results Displayed Per Page:' section with a text input field set to '50'. A 'Search' button is located at the bottom right of the form.

3. Provide the search criteria using the information from the following table.

Field Name (*Required)	Description
Name	Specify the name of the portlet. Type any alphanumeric string (up to 255 characters in length).
Type	Select the type of portlet definition. Choices include: <ul style="list-style-type: none"> ■ List ■ Bar Chart ■ Clustered Bar Chart ■ Stacked Bar Chart ■ Pie Chart ■ Line Chart ■ Bubble Chart ■ Java ■ WSRP
Category	Select one or more categories. Choices are limited to the categories available on your PPM Center instance.
Enabled	Indicated whether or not the portlet definition is enabled.
Created By	Select the user who created the module.
Sort By	Select the sort criteria. Choices include: <ul style="list-style-type: none"> ■ Name ■ Type ■ Category ■ Enabled
Ascending/Descending	Indicate the sorting sequence.
*Results Displayed Per Page	Specify the maximum number of search results to display on a page. Type any positive integer.



Click **Reset Form** if you would like to clear your current search criteria.

4. Click **Search**.

The Configure Portlet Definitions page is updated to include the search results which are displayed in the **Configure Portlet Definitions** section.

Configure Portlet Definitions

Configure Portlet Definitions Showing 1 to 11 of 11 [Prev](#) [Next](#)

Name	Description	Type	Category	Enabled
TMG - Actuals for Direct Reports	Shows the total time entered by all the direct reports for a specific manager or set of managers	List	Time Management	Yes
TMG - Delinquent Time Sheets	Shows Resources who have not submitted their Time Sheets for a given period.	Java	Time Management	Yes
TMG - My Time Sheets	Displays the Time Sheets for the user during the last 10 time periods.	Java	Time Management	Yes
TMG - My Work Items	Displays all the Work Items on open Time Sheets for the user. This portlet gives the user a quick snapshot on what he or she has been working on and is currently charging time to.	List	Time Management	Yes
TMG - Resource Group Total by Work Item	Displays the time charged by Resource Groups, summarizing the totals of all the Resources in those groups, by splitting the data by each specific Work Item. Though less frequently used, is useful when looking at a specific Resource Group.	List	Time Management	Yes
TMG - Resource Group Totals	Displays the time charged by Resource Groups, summarizing the totals of all the Resources in those groups, letting you see the level of activity (by time) in the current and previous period for these groups.	List	Time Management	Yes
TMG - Resource Totals	Displays the time charged by a set of resources, letting you see the level of activity (by time) in the current and previous period for these users.	List	Time Management	Yes
TMG - Time Sheet Approvals	Displays Time Sheets that need approval by the current user.	Java	Time Management	Yes
TMG - Total Hrs by Work Item	Displays detail information on the time allocated to and the time charged for specific Work Items. It shouldn't be used to display information for all Work Items but for a specific set based on filter criteria.	List	Time Management	Yes
TMG - Work Allocation Details	Displays summary information on the work allocations defined in the system. It is especially helpful to see which allocations are close to being used up or actually are over budget.	List	Time Management	Yes
TMG - Work Item Set Budget and Actuals	Displays summary information at the Work Item Set level. This portlet is useful to get a snapshot of which projects or types of activities you are spending the most time on as well as where you have budgeted the most time on.	List	Time Management	Yes

Search for a Portlet Definition to Configure [Reset Form](#)

Name starts with: Type:

Category: Enabled:

Created By:

Sort By: Ascending Descending Results Displayed Per Page:

From the Configure Portlet Definitions page you can:

- Select a portlet definition by clicking the link associated with the desired portlet definition (in the **Configure Portlet Definitions** section).
- Refine your search by providing additional search criteria as detailed in [step 3 on page 53](#) (in the **Search for a Portlet Definition to Configure** section).

Creating New Portlet Definitions

To create an entirely new standard portlet definition, use the Create Portlet Definition wizard.








1. Log on to PPM Center.
2. From the menu bar, select **Administration > Portlet Definitions > Create a Portlet Definition**.

The Choose Portlet Type step of the Create Portlet Definition page appears.

Create Portlet Definition

1. **Choose Portlet Type** ▶ 2. Enter Portlet Information ▶ 3. Set up Display Options ▶ 4. Define Preferences
5. Configure Access ▶ 6. Add User Help

Choose Portlet Type

- List  Displays data in rows and columns.
- Bar Chart  Displays data in either vertical or horizontal bars.
- Clustered Bar Chart  Displays data in either vertical or horizontal bars; bars can be grouped into clusters.
- Stacked Bar Chart  Displays data in either vertical or horizontal bars; each bar can be subdivided into categories.
- Pie Chart  Typically used to show percentages of a whole.
- Line Chart  Typically used to show changes in data over time.
- Bubble Chart  Typically used to plot points on two axes such as "value" vs. "risk." Bubble size and color indicate additional dimensions of information.

Cancel Back Next

3. Select the type of portlet to create.

Portlet Type	Description
List	Data is presented in tabular form using rows and columns.
Bar Chart	Data is displayed as vertical or horizontal bars. Each bar represents a single item.
Clustered Bar Chart	Data is displayed as vertical or horizontal bars. Bars can be grouped into categories.
Stacked Bar Chart	Data is displayed as vertical or horizontal bars. Each bar can be subdivided into categories.

Portlet Type	Description
Pie Chart	Data is displayed as a percentage of a whole.
Line Chart	Data is displayed to show changes over time.
Bubble Chart	Four dimensions of data are displayed on an x-y axis. The x-y axis location pinpoints a spot while the size and color of the bubble indicates additional dimensions of the information.

4. Click **Next** (found near the bottom of the page).

The Enter Portlet Information step of the Create Portlet Definition (<Portlet Type>) page appears.

Create Portlet Definition (List)

1. Choose Portlet Type ▶ 2. Enter Portlet Information ▶ 3. Set up Display Options ▶ 4. Define Preferences
5. Configure Access ▶ 6. Add User Help

Portlet Information

*Name:

Category:

Description:

Default Width:

Enabled: Yes No

Data Source

*Data Source:

5. Provide the portlet details using the information from the following table.

Field Name (*Required)	Description
Portlet Information section	
*Name	Specify a unique name for the portlet. Type any alphanumeric string (up to 80 characters in length).
Category	Select one or more categories. Choices are limited to those categories available on your PPM Center instance.
Manage Categories	Click to add or delete portlet categories. See Managing Portlet Categories on page 87 for details.
Description	Specify the portlet definition. Type any alphanumeric string (up to 1,800 characters in length).

Field Name (*Required)	Description
Default Width	Select the default width of the portlet. Choices include: <ul style="list-style-type: none"> ■ Narrow ■ Wide Note that the default width can be changed when the portlet is personalized.
Enabled	Indicate whether or not the portlet can be added to the Dashboard page. If a portlet is added to a PPM Dashboard, then disabled, the portlet remains on the Dashboard page.
Data Source section	
*Data Source	Select the data source for the current portlet. The portlet data source defines the columns or chart entity, and preferences fields for a portlet definition.
New Data Source	Click to open the PPM Workbench and create a new portlet data source.

6. Click **Next**.

The Set up Display Options step of the Create Portlet Definition (<Portlet Type>) page appears.

Create Portlet Definition (List)

1. Choose Portlet Type ▶ 2. Enter Portlet Information ▶ 3. **Set up Display Options** ▶ 4. Define Preferences
5. Configure Access ▶ 6. Add User Help

Display Columns

Columns may be displayed in the portlet by Default (in the user's initial view) or in the Maximized view only. Columns may be made optionally available for the user's selection.

Add Column **Edit** **Delete**

Click on a column to select User Sortable

Columns Displayed by Default:

Requests	OPEN_REQUESTS	
Tasks	OPEN_TASKS	
Remaining	TASK_TOTAL_REMAINING_DURATION	

Columns Displayed by Default in Maximized View Only:

--	--	--

Columns Available for Display:

Arrange Data

Default Sort By: Requests Ascending Descending

*Default Rows Displayed: In Normal View
 In Maximized View

Cancel **Back** **Next**

7. Provide the appropriate information on the Create Portlet Definition (<Portlet Type>) page.

The information needed to create the different portlet types vary significantly. Field descriptions are provided in the *Supplemental Details for the Set Up Display Option Step* section.

- For list portlets, see *List Portlet* on page 89.
- For bar charts, see *Bar Chart Portlet* on page 95.
- For clustered bar charts, see *Clustered Bar Chart Portlet* on page 97.
- For stacked bar charts, see *Stacked Bar Chart Portlet* on page 99.
- For pie charts, see *Pie Chart Portlet* on page 101.
- For line charts, see *Line Chart Portlet* on page 102.
- For bubble charts, see *Bubble Chart Portlet* on page 104.

8. Click **Next**.

The Define Preferences step of the Create Portlet Definition (<Portlet Type>) page appears.

Create Portlet Definition (List)

1. Choose Portlet Type > 2. Enter Portlet Information > 3. Set up Display Options > 4. Define Preferences > 5. Configure Access > 6. Add User Help

Preference Form Layout

Click and drag to select and move fields

Drag outside box to cancel movement

Resource: Package Workflow

Request Type: *Task Window (Starting Before Current Date+X Days):

Limit by Task State: Resource Group:

Edit

Show Preferences summary on this portlet (user can choose to hide it)

Require user to edit preferences before viewing portlet for the first time

Cancel Back Next Preview Finish

Initially, all preference fields are mapped from the portlet data source, which indicates the name of the field, type of the field (such as auto-complete or text field), and any default value. Note that preferences requiring default values are shown with a red asterisk.

9. (Optional) At any time, you can click **Save** to commit your changes.
10. (Optional) To change the width of preferences, click the **Sizing** icon (←→).
11. (Optional) To rearrange preferences:
 - a. Select a preference.
 - b. Drag and drop the preference into the desired location.
12. (Optional) To edit preferences:
 - a. Select a preference.
 - b. Click **Edit**.

The Edit Portlet Preference: <Preference> dialog box opens.

c. Provide the preference details using the information from the following table.

Field Name (*Required)	Description
*Field Prompt	Specify the prompt that will appear on the Portlet Preference page. Type any alphanumeric string (up to 200 characters in length).
Display	Select the manner in which this preference is displayed. Choices could include one or more of the following (depending on the component type): <ul style="list-style-type: none"> ■ Editable. Allows the user to edit the field. ■ Required and Editable. Requires the user to enter a value. ■ Non-Editable. Allows user to view, but not edit the field. ■ Hidden. The information is not viewable (or editable) by the user. This field is required if a default value is required by the portlet data source.
Default Value	Specify the default value that is shown when editing the portlet. This field is required if a default value is required by the portlet data source.

d. Click **Done**.

The changes to preference are saved and the Edit Portlet Preference: *<Preference>* dialog box closes.

13. (Optional) Select **Show Preferences summary on this portlet (user can choose to hide it)** if you want the user to have this capability.
14. (Optional) Select **Require user to edit preferences before viewing portlet for the first time** if you want to force the user to edit their preferences.
15. Click **Next**. If you do not want to change any of the remaining default values, click **Finish**.

The changes are added to the new portlet definition. The Configure Access step of the Create Portlet Definition (*<Portlet Type>*) page appears.

Create Portlet Definition (List)

1. Choose Portlet Type > 2. Enter Portlet Information > 3. Set up Display Options > 4. Define Preferences
5. **Configure Access** > 6. Add User Help

Configure Access

User Access

Users specified below will have access to add this Portlet to their dashboards.

Require users to have one of these privileges: Create Projects

Allow access to only the following users and groups:

Security Type	Name
<input checked="" type="checkbox"/> Group	ITG Administrator
<input checked="" type="checkbox"/> User	Larry X. Veach
<input checked="" type="checkbox"/> User	Pamela Stewart

Give Access to: User Add

Administrator Access

Users specified below will have access to modify this Portlet Definition.

Security Type	Name
<input checked="" type="checkbox"/> Group	ITG User Admin
<input checked="" type="checkbox"/> Group	ITG Team Manager
<input checked="" type="checkbox"/> User	Ron Steel

Give Access to: User Add

WSRP Access

Make Portlet available to WSRP Consumers

Cancel Back Next Preview Finish

16. (Optional) In the **User Access** section:
 - a. Select one or more access grants (privileges) a user must have in order to add the portlet to a Dashboard page.
 - b. Select one or more users or security groups allowed to add the portlet to a Dashboard page.

By default, access is given to all users belonging to the PPM User security group.



Whenever there is no specific (individual or group) user access, this setting reverts to its default.

17. (Optional) In the **Administrator Access** section:

- Select one or more users or security groups allowed to modify the portlet.

By default, access is given to all users belonging to the PPM User Admin security group.



Whenever there is no specific (individual or group) administrator access, this setting reverts to its default.

18. (Optional) In the **WSRP Access** section:

- Select whether you want to make the portlet available to WSRP consumers.



Click **Preview** to review the layout and make sure that you have presented the information as desired.

19. Click **Next**.

The changes are added to the new portlet definition and the Add User Help step of the Create Portlet Definition (<Portlet Type>) page appears.

Create Portlet Definition (List)

1. Choose Portlet Type > 2. Enter Portlet Information > 3. Set up Display Options > 4. Define Preferences
5. Configure Access > 6. Add User Help

Portlet Help

Help content will be available to end users when viewing this portlet on their dashboard, and when adding portlets during Dashboard Personalization.

Portlet Help Text:

This portlet has been brought to you by XYZ Corp.

Preview Help

Cancel < Back Next > Preview Finish

20. In the **Portlet Help Text** field, type the help text.

This field supports HTML. Use valid HTML tagging when typing the information that defines the functionality of the portlet and lists and describes all of the portlet fields.

Click **Preview Help** to review the help content make sure that you have presented the information as desired.

Click **Preview** to review the layout and make sure that you have presented the information as desired.

21. Click **Finish**.

The help data is saved, the portlet definition is created, and a status message displayed.



22. Review the information to make determine if your portlet definition was successfully created.

Copying Portlet Definitions

You can copy a portlet definition to use as the basis for another portlet definition.

- ▶ Java portlet definitions and WSRP portlet definitions cannot be copied.

To copy a portlet definition:

1. Log on to PPM Center.
2. From the menu bar, select **Administration > Portlet Definitions > Configure Portlet Definitions**.

The Configure Portlet Definitions page appears, as shown in [step 2 on page 52](#).

3. Search for and select a portlet definition.

For detailed instructions on how to search for and select portlet definitions, see [Creating New Portlet Definitions on page 55](#).

The Configure Portlet Definition: *<Portlet Definition>* page appears.

4. Click **Copy**.

The Configure Portlet Definition: *<Portlet Definition>* page is updated with the copied information.

5. Provide the portlet information using the information available from [step 5 on page 56](#), [step 16 on page 61](#), and [step 17 on page 62](#).



Click **Preview** to review the layout and make sure that you have presented the information as desired.

6. Click **Create**.
7. (Optional) Make any additional modifications and click **Save**.
8. Click **Done**.

The Configure Portlet Definition: *<Portlet Definition>* page is updated with the information for the original portlet definition.

9. Click **Done** to return to the Configure Portlets Definitions window.

Modifying Portlet Definitions

To change an existing portlet definition:

1. Log on to PPM Center.
2. From the menu bar, select **Administration > Portlet Definitions > Configure Portlet Definitions**.

The Configure Portlet Definitions page appears, as shown in [step 2 on page 52](#).

3. Search for and select a portlet definition.

For detailed instructions on how to search for and select portlet definitions, see [Creating New Portlet Definitions on page 55](#).

The Configure Portlet Definition: *<Portlet Definition>* page appears.

Configure Portlet Definition: TMG - Resource Group Totals

This is a built-in Portlet Definition. It cannot be deleted.

Preview

Save

Done

Cancel

Portlet Type: List **Data Source:** TMG - Resource Group Totals

Created By: seed_data seed_data **Last Modified By:** seed_data seed_data **Last Modification Date:** Sep 13, 2006

Name: TMG - Resource Group Totals

Category: Time Management

Description: Displays the time charged by Resource Groups, summarizing the totals of all the Resources in those groups, letting you see the level of activity (by time) in the current and previous period for these groups.

Default Width: wide

Enabled: Yes No Not in use.

Copy

Display Preference Fields Access User Help

Display Columns

Columns may be displayed in the portlet by Default (in the user's initial view) or in the Maximized view only. Columns may be made optionally available for the user's selection.

User Sortable

Columns Displayed by Default:

Resource Group	Δ	RESOURCE_GROUP_NAME	
Period Type		PERIOD_TYPE_NAME	
Current Period (Hrs)		ACTUAL_TIME_CURRENT	
Previous Period (Hrs)		ACTUAL_TIME_PREVIOUS	
Current Budget (Hrs)		CURRENT_BUDGET	
Total Actuals (Hrs)		ACTUALS_TO_DATE	

Columns Displayed by Default in Maximized View Only:

Columns Available for Display:

Arrange Data

Default Sort By: Resource Group Ascending Descending

***Default Rows Displayed:** 5 In Normal View
50 In Maximized View

Preview

Save

Done

Cancel

■ For non-Java portlets:

From the Configure Portlet Definition: *<Portlet Definition>* page you can change the following:

- General information about the portlet definition
- Display options
- Preferences
- Access to the portlet definition
- User help

- a. (Optional) At any time, you can click **Save** to commit your changes.
- b. (Optional) Provide the general information using the details from the **Portlet Information** section of the table included in [step 5 on page 56](#).
- c. (Optional) Click the link associated with **Data Source** to view the details of the data source in the PPM Workbench.
- d. (Optional) Click the appropriate tab to make changes to the other settings. The content of the tabs varies based on the portlet type. Field descriptions are provided in [Chapter 3, *Creating and Maintaining Portlet Definitions*, on page 49](#).
 - For list portlets, see [List Portlet on page 89](#).
 - For bar charts, see [Bar Chart Portlet on page 95](#).
 - For clustered bar charts, see [Clustered Bar Chart Portlet on page 97](#).
 - For stacked bar charts, see [Stacked Bar Chart Portlet on page 99](#).
 - For pie charts, see [Pie Chart Portlet on page 101](#).
 - For line charts, see [Line Chart Portlet on page 102](#).
 - For bubble charts, see [Bubble Chart Portlet on page 104](#).
- For Java portlets:

From the Configure Portlet Definition: *<Portlet Definition>* page you can change the following:

 - General information about the portlet definition
 - Access to the portlet definition
- a. (Optional) Provide the general information using the details from the **Portlet Information** section of the table included in [step 5 on page 56](#).
- b. (Optional) Configure the user and administrator access using the details provided in [step 16 on page 61](#), and [step 17 on page 62](#).

4. Click **Done**.



Click **Preview** to review the layout and make sure that you have presented the information as desired.

Deleting Portlet Definitions

To delete a portlet definition:

1. Log on to PPM Center.
2. From the menu bar, select **Administration > Portlet Definitions > Configure Portlet Definitions**.

The Configure Portlet Definitions page appears, as shown in [step 2 on page 52](#).

3. Search for and select a portlet definition.

For detailed instructions on how to search for and select portlet definitions, see [Creating New Portlet Definitions on page 55](#).

The Configure Portlet Definition: *<Portlet Definition>* page appears.

4. Click **Delete**.

A confirmation dialog box opens.

5. Click **OK**.

The confirmation dialog box closes and the Configure Portlet Definitions page is updated.

Importing Java Portlet Definitions

To import a Java portlet definition using the Import Portlet Definition wizard:



The `.war` files must exist on the server file system.

1. Log on to PPM Center.
2. From the menu bar, select **Administration > Portlet Definitions > Import a Portlet Definition**.

The Choose Portlet Type step of the Import Portlet Definition page appears.

Import Portlet Definition

1. Choose Portlet Type ▶ 2. Select from Available Portlets ▶ 3. Enter Portlet Information ▶ 4. Configure Access

Choose Portlet Type

Select the type of Portlet you would like to import:

Java Portlet - Created according to the Java Portlet specification

WSRP Portlet - Created according to WSRP specifications

3. Select **Java Portlet - Created according to the Java Portlet specification**.

4. Click **Next**.

The Select from Available Portlets step of the Import Portlet Definition page appears.

Import Portlet Definition (Java)

1. Choose Portlet Type ▶ 2. Select from Available Portlets ▶ 3. Enter Portlet Information ▶ 4. Configure Access

Select from Available Portlets

The Dashboard has found the Java portlets listed below. Please select one of these portlets to import.

Portlet Display Name	Description
<input checked="" type="checkbox"/> Project List	Displays general information about ITG Projects, such as how close they are to completion and their scheduled finish date.
<input checked="" type="checkbox"/> Summary Task List	Displays general information about Summary Tasks, such as how close they are to completion and their scheduled finish date.
<input checked="" type="checkbox"/> TMG - Time Sheet Approvals	Displays Time Sheets that need approval by the current user.
<input checked="" type="checkbox"/> TMG - Delinquent Time Sheets	Shows Resources who have not submitted their Time Sheets for a given period.
<input type="checkbox"/> Package List	Displays general information about ITG Packages, such as their description and status.
<input checked="" type="checkbox"/> Request Activity	Displays general activity information about ITGRequests, such as the number of Requests opened and closed during the last two weeks, and the number of open Requests.
<input checked="" type="checkbox"/> Package Activity	Displays activity information about the number of deployments (Package Line execution step transactions) completed during the last three weeks. Provides drill down to any Object Type or Environment to view the included Packages.
<input checked="" type="checkbox"/> Request Summary	Displays information about groups of ITGRequests, such as their priority, type, status and the total number of Requests for each category. Additionally provides drill down capabilities to detailed requests.
<input checked="" type="checkbox"/> Open Requests by Priority	A bar chart that displays the number of Requests currently open, grouped by priority.
<input checked="" type="checkbox"/> Request List	Displays general information about ITG Requests, such as their description and status.
<input checked="" type="checkbox"/> Project Gantt	Displays Projects, Tasks and Milestones in Gantt chart format. This portlet can be configured based on such criteria as Project and Task status, schedule and resource assignments. It also allows drilling down into Project and Task details.
<input checked="" type="checkbox"/> Capitalized Project Timelines	A graphical display of projects with capitalized costs showing their start date, end date and health.
<input checked="" type="checkbox"/> Resource Gantt	Displays information about Work Items (including Requests, Tasks, Milestones, and Staffing Profiles) assigned to selected Resources in Gantt chart format. Additionally, this portlet provides the ability to drill down into Work Item details.
<input checked="" type="checkbox"/> Capitalized Project Breakdown	Displays relevant information about capitalized projects. This portlet can be filtered so show the same projects as Total Exposure, Impairment Risks and Capitalized Project Timelines, showing the source data for those graphical portlets.
<input checked="" type="checkbox"/> Impairment Risks	A graphical view of active projects that have capitalized costs, chosen by project health and broken out project.
<input checked="" type="checkbox"/> Total Exposure	A graphical view of active projects that have capitalized costs grouped by the health of the project.
<input checked="" type="checkbox"/> Project Current Cost Metrics	Analyze Current Cost Metrics for Projects.
<input checked="" type="checkbox"/> Analyze Assignment Load	Analyze Assignment Load Portlet.
<input checked="" type="checkbox"/> Project Cost Summary	Displays a list of cost information for a Project.
<input checked="" type="checkbox"/> Program Cost Summary	Displays a list of cost information for a Program.

5. Select a portlet.

Note that only one portlet can be selected at a time.

If no portlet definitions are available (that is, all of the portlet definitions are selected):

- Click **Back** to return to the previous page.
- Click **Cancel** to stop.

6. Click **Next**.

The Portlet Information step of the Import Portlet Definition page appears.

Import Portlet Definition (Java)

1. Choose Portlet Type ▶ 2. Select from Available Portlets ▶ 3. Enter Portlet Information ▶ 4. Configure Access

Portlet Information

Name: Package List

Category: Manage Categories

Description: Displays general information about ITG Packages, such as their description and status.

Default Width: Narrow

Enabled: Yes No

Cancel Back Next Finish

7. (Optional) Provide the general information using the details from the **Portlet Information** section of the table included in [step 5 on page 56](#).

8. Click **Next**.

The Configure Access step of the Import Portlet Definition page appears.

Import Portlet Definition (Java)

1. Choose Portlet Type ▶ 2. Select from Available Portlets ▶ 3. Enter Portlet Information ▶ 4. Configure Access

Configure Access

User Access

Users specified below will have access to add this Portlet to their dashboards.

Require users to have one of these privileges:

Allow access to only the following users and groups:

Security Type	Name
All Users	

Give Access to: User Add

Administrator Access

Users specified below will have access to modify this Portlet Definition.

Security Type	Name
All Portlet Definition Administrators	

Give Access to: User Add

WSRP Access

Make Portlet available to WSRP Consumers

Cancel Back Next Finish

■ (Optional) Configure the user and administrator access using the details provided in [step 16 on page 61](#), and [step 17 on page 62](#).

9. Click **Finish**.

The confirmation page appears.

Import Portlet Definition

Package List (Copy) has been successfully imported.

[Configure Package List \(Copy\)](#)

[Import another Portlet Definition](#)

[Create new Portlet Definition](#)

[Search for other Portlet Definitions to configure](#)

10. Review the Import Portlet Definition page and verify that the import was successful.
11. (Optional) Select the link of your choice.

Importing WSRP Portlet Definitions

To import a WSRP portlet definition using the Import Portlet Definition wizard:

1. Make sure that the producer Web URL is available.
2. Log on to PPM Center.
3. From the menu bar, select **Administration > Portlet Definitions > Import a Portlet Definition**.

The Choose Portlet Type step of the Import Portlet Definition page appears.

The screenshot shows the 'Import Portlet Definition' wizard interface. At the top, it says 'Import Portlet Definition' and has a progress bar with four steps: '1. Choose Portlet Type', '2. Select from Available Portlets', '3. Enter Portlet Information', and '4. Configure Access'. The first step is highlighted. Below the progress bar is a section titled 'Choose Portlet Type' with the instruction 'Select the type of Portlet you would like to import:'. There are two radio button options: 'Java Portlet - Created according to the Java Portlet specification' and 'WSRP Portlet - Created according to WSRP specifications'. The second option is selected. At the bottom of the form are three buttons: 'Cancel', 'Back', and 'Next'.

4. Select **WSRP Portlet - Created according to WSRP specifications**.
5. Click **Next**.

The Define Producer Web Service step of the Import Portlet definition page appears.

The screenshot shows the 'Import Portlet Definition (WSRP)' wizard interface. At the top, it says 'Import Portlet Definition (WSRP)' and has a progress bar with five steps: '1. Choose Portlet Type', '2. Define Producer Web Service', '3. Select from Available Portlets', '4. Enter Portlet Information', and '5. Configure Access'. The second step is highlighted. Below the progress bar is a section titled 'Define Producer Web Service' with the instruction 'Enter the URL of a web service which provides portlets via WSRP. When you click Next, the Dashboard will contact the web service to determine what portlets are available. You will then be able to choose one of the portlets that it offers.' There is a text input field labeled 'WSRP Producer URL:' with the value 'http://www.myserver.com/wsrp/FinancialPortlets.wsdl'. Below the input field is an example: 'Example: http://www.myserver.com/wsrp/FinancialPortlets.wsdl'. At the bottom of the form are three buttons: 'Cancel', 'Back', and 'Next'.

6. In the **WSRP Producer URL** field, type the URL for the Web service providing portlet definitions using WSRP.

7. Click **Next**.

The Web service is contacted to determine what portlet definitions are available.

The Select from Available Portlets page appears.

Import Portlet Definition (WSRP)

1. Choose Portlet Type ▶ 2. Define Producer Web Service ▶ 3. **Select from Available Portlets** ▶ 4. Enter Portlet Information ▶ 5. Configure Access

Select from Available Portlets

The Dashboard has found the portlets listed below from the WSRP producer at http://hummer.merc-int.com:20000/dashboard/wsrrp4/producer.wsdl. Please select one of these portlets to import.

Portlet Display Name	Description
<input checked="" type="radio"/> Bubble Chart - JL WSRP Export	JL Bubble Chart WSRP export test
<input type="radio"/> Bar Chart - JL WSRP Export	JL Bar Chart WSRP Export Testing
<input type="radio"/> Clustered Bar Chart - JL WSRP Export	JL Clustered Bar chart test
<input type="radio"/> Bar Chart - JL WSRP Export 2	
<input type="radio"/> Pie Chart - JL WSRP Export	JL Pie Chart SWRP Export test
<input type="radio"/> List - JL WSRP Export	Jlin's WSRP Integration Test with LIST Portlet
<input type="radio"/> Copy of Program List	Displays the programs and their summary conditions.
<input type="radio"/> Stacked Bar Chart - JL WSRP Export	JL Stacked Bar Chart WSRP export test
<input type="radio"/> Line Chart - JL WSRP Export	JL Line Chart WSRP Export
<input type="radio"/> JL - Pie Chart WSRP Test	WSRP Integration Test step # 7

8. Select a portlet.

Note that only one portlet can be selected at a time.

If no portlet definitions are available (that is, all of the portlet definition are selected):

- Click **Back** to return to the previous page.
- Click **Cancel** to stop.

9. Click **Next**.

The Enter Portlet Information step of the Import Portlet Definition page appears.

Import Portlet Definition (WSRP)

1. Choose Portlet Type ▶ 2. Define Producer Web Service ▶ 3. Select from Available Portlets ▶ 4. **Enter Portlet Information** ▶ 5. Configure Access

Portlet Information

Name:

Category:

Description:

Default Width:

Enabled: Yes No

10. Provide the general information using the details from the **Portlet Information** section of the table included in [step 5 on page 56](#).

11. Click **Next**.

The Configure Access step of the Import Portlet Definition page appears.

Import Portlet Definition (WSRP)

1. Choose Portlet Type ▶ 2. Define Producer Web Service ▶ 3. Select from Available Portlets ▶ 4. Enter Portlet Information ▶ 5. **Configure Access**

Configure Access

User Access

Users specified below will have access to add this Portlet to their dashboards.

Require users to have one of these licenses: Demand Management

Require users to have one of these privileges: Approve Time Sheets

Allow access to only the following users and groups:

Security Type	Name
<input checked="" type="checkbox"/> Group	ITG Administrator
<input checked="" type="checkbox"/> Group	ITG Cost Manager
<input checked="" type="checkbox"/> Group	ITG Demand Manager
<input checked="" type="checkbox"/> Group	ITG Service Security Group
<input checked="" type="checkbox"/> Group	ITG Time Manager

Give Access to: Group

Administrator Access

Users specified below will have access to modify this Portlet Definition.

Security Type	Name
<input checked="" type="checkbox"/> User	Bob Nolan
<input checked="" type="checkbox"/> User	Chris Brown
<input checked="" type="checkbox"/> User	Denise Newell
<input checked="" type="checkbox"/> User	Jose Ortega
<input checked="" type="checkbox"/> User	Luis Sanchez

Give Access to: User

12. (Optional) Configure the user and administrator access using the details provided in [step 16 on page 61](#), and [step 17 on page 62](#).

13. Click **Finish**.

The confirmation page appears.

14. Review the Import Portlet Definition page and verify that the import was successful.

15. (Optional) Select the link of your choice.

Migrating Portlet Definitions

Use the PPM Portlet Definition Migrator object type to migrate portlet definitions. The following are things to consider when migrating portlet definitions:

- When migrating a HP-supplied portlet definition, the portlet's data source file is automatically migrated at the same time as the portlet definition.
- When migrating a standard portlet definition, the portlet's data source file is automatically migrated at the same time as the portlet definition.
- When migrating a Java portlet definition, you must configure the source and destination servers with the same set of Web applications (such as WARs) before migrating the Java portlet definition.
- When migrating a WSRP portlet definition, the migration of the portlet definition is sufficient for the WSRP portlet to work. Migrating a WSRP portlet definition might fail under the following conditions:
 - **If the URL uses a port number.** If you move that portlet to a different machine whose WSRP provider runs on a different port number, the portlet stops working.
 - **If a WSRP portlet definition shares a firewall or a private network with a WSRP producer.** You cannot migrate the portlet definition outside of that private network or firewall protected area (because the machine is not accessible).

Defining a Drilldown Page

Portlet drilldown is a powerful feature that allows you to access and view the details of the information displayed in a portlet.

When you create a portlet, you can specify one or more drill-to portlets (these are sometimes called drilldown pages). Clicking a portlet that contains a drill-to portlet results in the display of the corresponding portlet. A drill-to portlet typically offers a view of the data with more details or the information is filtered differently.

- Prior to being added to a portlet, these drill-to portlets must already exist on your PPM Center instance.
- Drill-to portlets must be list portlets created using the portlet builder wizard.
- Only selected HP-supplied portlets can be used as drill-to portlets. These include: Issue List, Program Risk List, Program Scope Change List, and Program Project List.

Usage Example

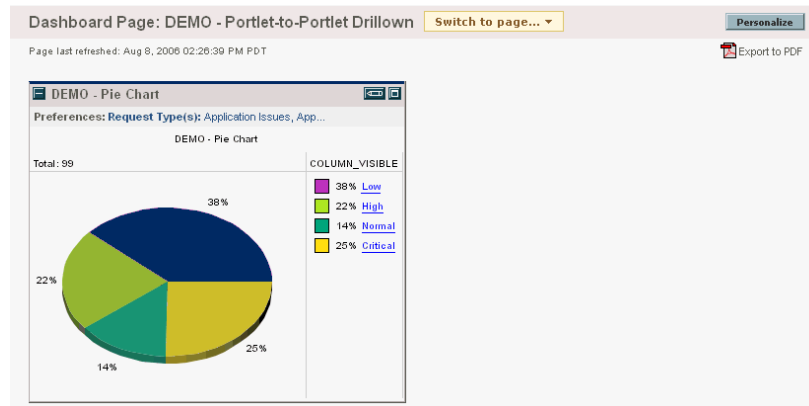
In some cases you may want to view the data in more than one way. Whenever you want to do this, specify one or more drill-to portlets.

For example, suppose you have a portlet that shows a collection of requests. However, you would like to be able to view the breakdown of requests sorted by priority and have insight into some of the requests' details. To provide this information, you would create two drill-to portlets, one showing the requests sorted by priority and the other showing the selected details of the requests. Then you would configure your portlet such that it is linked to these drilldown pages (drill-to portlets).

When you click key areas within the portlet having the drilldown pages, the appropriate data from the drill-to portlets is displayed.

The following figure shows an example of this kind of scenario.

Figure 3-1. Portlet having drilldown pages



If you click either the amber (25%) wedge or the **Critical** link, the drill-to pages having requests with critical priorities are shown (see *Figure 3-2*). Note that the drill-to page on the left shows the list of requests having the selected priority, whereas the drill-to page on the right shows the selected details of the request.

Figure 3-2. Drill-to portlets showing critical priority requests

Drill Down From DEMO - Pie Chart [Back](#) [Export to PDF](#)

Priority	Request #	Request #	Request Type	Description	Priority
Critical	30667	30667	Application Issues	Getting stock from front.	Critical
Critical	30649	30649	Application Issues	External Website - Job updates.	Critical
Critical	30641	30641	Application Issues	Replace cartridge in Brother labeler.	Critical
Critical	30622	30622	Application Issues	Tom called about his printer.	Critical
Critical	30612	30612	Application Issues	Research massive port scan/probe on cli.com	Critical

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Showing 1 to 5 of 25 [Prev](#) [Next](#)

Alternatively, if you click either the red (38%) wedge or the **Low** link, the drill-to pages having requests with low priorities appear (see [Figure 3-3](#)).

Figure 3-3. Drill-to portlets showing low priority requests

Drill Down From DEMO - Pie Chart [Back](#) [Export to PDF](#)

Priority	Request #	Request #	Request Type	Description	Priority
Low	30672	30672	Application Issues	Make space on full volume on Pearl	Low
Low	30654	30654	Application Issues	Corporate Affiliate	Low
Low	30644	30644	Application Issues	Morning mail and phone support.	Low
Low	30636	30636	Application Issues	Move briefing.	Low
Low	30617	30617	Application Issues	Morning mail / phone msg support.	Low

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Defining a Drilldown Page

The following procedure describes how to define a drilldown page. These instructions are applicable to the third step of the portlet builder wizard.



The page from which the drill-to portlets are accessed is sometimes referred to as the drill-from page.

To define a drilldown page for a column:

1. On the Set up Display Options step of the Create Portlet Definition (<Portlet Type>) page, select **Drilldown to Portlet**.

Create Portlet Definition (Pie Chart)

1. Choose Portlet Type ▶ 2. Enter Portlet Information ▶ 3. Set up Display Options ▶ 4. Define Preferences
5. Configure Access ▶ 6. Add User Help

Data Source Mapping to Chart

Select a data source column to map to each chart property:

Chart Title:

Wedge Source: ACTUALS_TO_DATE ▼

Wedge Size Source: ACTUALS_TO_DATE ▼

Wedge Label: ACTUALS_TO_DATE

Color Source: ▼

Tooltip Source: ▼

Hyperlink Options:

No Hyperlink

Hyperlink Source: ACTUALS_TO_DATE ▼

Drilldown to Portlet: (None)

Sample Pie Chart

Chart Title

Total: N (Wedge Source Value Total)

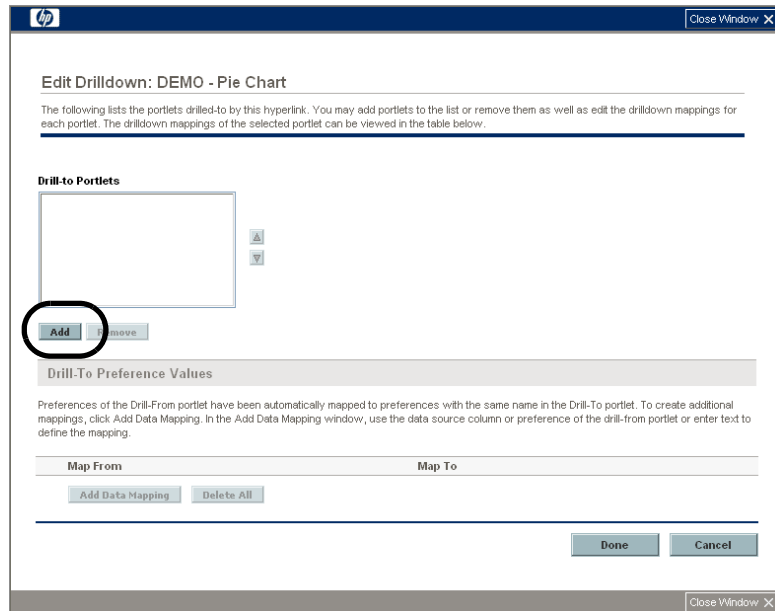
Wedge Label
20% Wedge A
25% Wedge B
45% Wedge C
8% Wedge D
2% Wedge E

45% (Wedge Size)

Cancel Back Next

2. Click **Edit**.

The Edit Drilldown: <Name> dialog box appears.

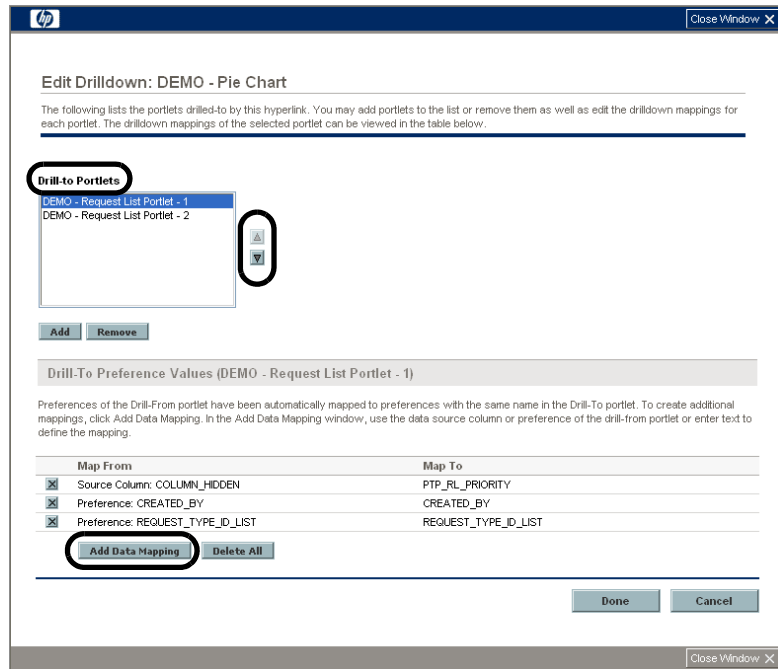


3. Click **Add**.

The list of available portlet definitions appears.

4. Select one or more portlet definitions from the list presented.
5. Click **OK**.

The portlet definition are added to the **Drill-to Portlets** list and the list of available portlet definitions disappears.



Use the up- and down-pointers to rearrange the order of the drill-to portlets.

When displayed, the drill-to portlets appear in the order your selected, in a top to bottom fashion. Narrow portlets will not be displayed side by side.

6. (Optional) To change the default mapping between the current portlet definition and the drill-to portlet definition:

- a. Select a portlet definition from the **Drill-to Portlets** list.
- b. Click **Add Data Mapping**.

The Add Data Mapping dialog box appears.

- c. Provide the mapping details using the information from the following table.



The examples shown in *Usage Samples on page 80* include annotations that identify the data mappings used in the example.

Field Name (*Required)	Description
*Map Value From	<p>Indicate the data to use. Choices include:</p> <ul style="list-style-type: none"> ■ Data Source Column. Select a column. Choices are limited to the columns available in your data source. ■ Preference of Drill-From Portlet. Select the desired preference for the portlet. ■ Text. Enter an alphanumeric string up to 200 characters in length.
*Map Value To	<p>Select the desired preference from the drill-to portlet. Choices are limited to the preference fields in the drill-to portlet.</p>

d. Click **Add**.

The information is added to the Edit Drilldown: <Name> dialog box and the Add Data Mapping dialog box disappears.

7. (Optional) To delete a mapping between the current portlet definition and the drill-to portlet definition:

- a. Select a portlet definition from the **Drill-to Portlets** list.
- b. In the **Drill-To Preference Values (<Drill-to Portlet>)** section, select from the following techniques:
 - Click the **Delete** icon next to the unwanted mapping
 - Click **Delete All** to remove all the mappings at one time



Occasionally it is easier to delete the existing mappings, then remap the current portlet and drill-to portlet definitions.

8. Once the drilldown is correctly defined, click **Done**.

The Edit Drilldown: <Name> dialog box disappears.

Continue with the configuration (and sharing) of your portlet as you normally would.

Usage Samples

The following images provide details about the data source and portlet configuration used to create the portlets used in the examples shown in this document.



The annotations identify each of the three data mappings.

DEMO - Pie Chart Portlet

This is the drill-from portlet and its various components.

Create Portlet Definition (Pie Chart)

1. Choose Portlet Type ▶ 2. Enter Portlet Information ▶ 3. Set up Display Options ▶ 4. Define Preferences
5. Configure Access ▶ 6. Add User Help

Data Source Mapping to Chart

Select a data source column to map to each chart property.

Chart Title:

Wedge Source: ACTUALS_TO_DATE

Wedge Size Source: ACTUALS_TO_DATE

Wedge Label: ACTUALS_TO_DATE

Color Source:

Tooltip Source:

Hyperlink Options:

No Hyperlink

Hyperlink Source: ACTUALS_TO_DATE

Drilldown to Portlet: (None)

Sample Pie Chart

Chart Title
Total: N (Wedge Source Value Total)

Wedge Label
20% Wedge A
25% Wedge B
45% Wedge C
8% Wedge D
2% Wedge E

Cancel **Back** **Next**

Data Source

Data Source : DEMO - Pie Chart

Data Source Name: DEMO - Pie Chart Time-out: Use Default 20 Seconds

Description:

Enabled: Yes No

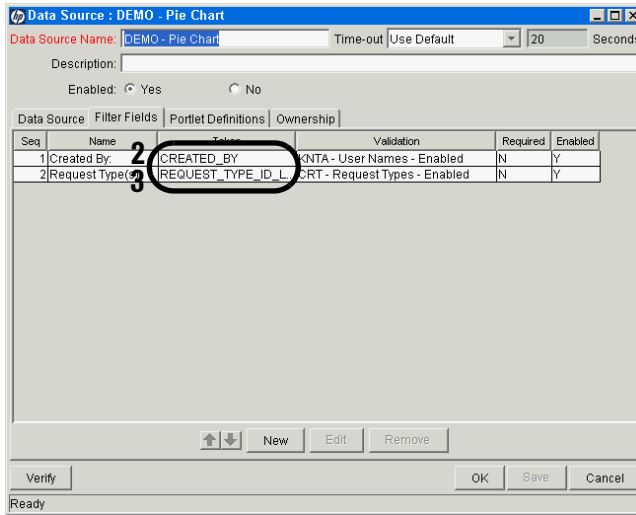
Data Source | Filter Fields | Portlet Definitions | Ownership | 1

Full Query for the Data Source

```
SELECT PRIORITY_MEANING COLUMN_VISIBLE(PRIORITY_CODE COLUMN_HIDDEN) COUNT(*) VALUE,  
length(priority_code) || ' ' || length(priority_meaning) || ' ' || priority_code || ' ' || priority_meaning VALUE_HYPERLINK,  
length(priority_code) || ' ' || length(priority_meaning) || ' ' || priority_code || ' ' || priority_meaning  
COLUMN_CODESTRING  
FROM KCRT_REQUESTS_V  
WHERE 1=1  
AND batch_number = 1  
group by priority_code, priority_meaning
```

Use Bind Variables?
 Yes No

Ready



Portlet Definition

Configure Portlet Definition: DEMO - Pie Chart

Preview Save Done Cancel

Portlet Type: Pie Chart Data Source: DEMO - Pie Chart

Created By: Last Modified By: Last Modification Date: Aug 3, 2006

Name: DEMO - Pie Chart

Category: Manage Categories

Description:

Default Width: Wide

Enabled: Yes No In use by 1 user(s), 0 module(s), and 0 hyperlink(s). View Usage Copy Delete

Display Preference Fields Access User Help

Data Source Mapping to Chart

Select a data source column to map to each chart property:

Chart Title: DEMO - Pie Chart

Wedge Source: COLUMN_VISIBLE

Wedge Size Source: VALUE

Wedge Label: COLUMN_VISIBLE

Color Source:

Tooltip Source:

Hyperlink Options: No Hyperlink Hyperlink Source: COLUMN_CODESTRING Drilldown to Portlet: DEMO - Request List Po... Edit

Sample Pie Chart

Chart Title

Total: N (Wedge Source Value Total)

Wedge Label	Percentage
Wedge A	20%
Wedge B	25%
Wedge C	45%
Wedge D	8%
Wedge E	2%

Preview Save Done Cancel

hp Close Window X

Edit Drilldown: DEMO - Pie Chart

The following lists the portlets drilled-to by this hyperlink. You may add portlets to the list or remove them as well as edit the drilldown mappings for each portlet. The drilldown mappings of the selected portlet can be viewed in the table below.

Drill-to Portlets

- DEMO - Request List Portlet - 1
- DEMO - Request List Portlet - 2

Add Remove

Drill-To Preference Values (DEMO - Request List Portlet - 1)

Preferences of the Drill-From portlet have been automatically mapped to preferences with the same name in the Drill-To portlet. To create additional mappings, click Add Data Mapping. In the Add Data Mapping window, use the data source column or preference of the drill-from portlet or enter text to define the mapping.

Map From	Map To
<input checked="" type="checkbox"/> Source Column: COLUMN_HIDDEN	PTP_RL_PRIORITY
<input checked="" type="checkbox"/> Preference: CREATED_BY	CREATED_BY
<input checked="" type="checkbox"/> Preference: REQUEST_TYPE_ID_LIST	REQUEST_TYPE_ID_LIST

Add Data Mapping Delete All

Done Cancel

Close Window X

hp Close Window X

Edit Drilldown: DEMO - Pie Chart

The following lists the portlets drilled-to by this hyperlink. You may add portlets to the list or remove them as well as edit the drilldown mappings for each portlet. The drilldown mappings of the selected portlet can be viewed in the table below.

Drill-to Portlets

- DEMO - Request List Portlet - 1
- DEMO - Request List Portlet - 2

Add Remove

Drill-To Preference Values (DEMO - Request List Portlet - 2)

Preferences of the Drill-From portlet have been automatically mapped to preferences with the same name in the Drill-To portlet. To create additional mappings, click Add Data Mapping. In the Add Data Mapping window, use the data source column or preference of the drill-from portlet or enter text to define the mapping.

Map From	Map To
<input checked="" type="checkbox"/> Source Column: COLUMN_HIDDEN	PTP_RL_PRIORITY
<input checked="" type="checkbox"/> Preference: REQUEST_TYPE_ID_LIST	REQUEST_TYPE_ID_LIST
<input checked="" type="checkbox"/> Preference: CREATED_BY	CREATED_BY

Add Data Mapping Delete All

Done Cancel

Close Window X

DEMO - Request List Portlet - 1

This is one of the drill-to portlets and its various components.

Preferences:

Request #	Request Type	Description	Priority
30145	Enhancement Request	Update New Employee Health Care Assignment	Low
30167	Telco Generic	are there required fields?	Low
30210	Gap	Software doesn't support multi-currency	High
30301	System Change Request	New Period Close Reporting for Finance	Normal
30303	System Change Request	Need daily MRP run to start at 23:00 instead of 22:00 to accomodate for longer run times.	Low

Showing 1 to 5 of 200 [Prev](#) [Next](#) [Maximize](#)

Data Source

Data Source : DEMO - Request List Portlet - 1

Data Source Name: DEMO - Request List Portlet - 1 Time-out: Use Default 20 Seconds

Description:

Enabled: Yes No

Data Source | Filter Fields | Portlet Definitions | Ownership

Full Query for the Data Source

```
SELECT PRIORITY_MEANING MY_PRIORITY, request_id MY_REQUEST_NO
FROM KCRT_REQUESTS_V
WHERE 1=1
AND batch_number = 1
```

Edit Query Use Bind Variables? Yes No

Verify OK Save Cancel

Ready

Data Source : DEMO - Request List Portlet - 1

Data Source Name: DEMO - Request List Portlet - 1 Time-out: Use Default 20 Seconds

Description:

Enabled: Yes No

Data Source | Filter Fields | Portlet Definitions | Ownership

Seq	Name	Token	Validation	Required	Enabled
1	Created By	CREATED_BY	PTA - User Names - Enabled	N	Y
2	Request Type	REQUEST_TYPE_ID_L...	CR - Request Types - Enabled	N	Y
3	Priority	PTP_RL_PRIORITY	DEM Filter - Priority - Enabled (with blank)	N	Y

↑ ↓ New Edit Remove

Verify OK Save Cancel

Ready

Portlet Definition

Configure Portlet Definition: DEMO - Request List Portlet - 1

Preview Save Done Cancel

Portlet Type: List Data Source: DEMO - Request List Portlet - 1

Created By: Last Modified By: Last Modification Date: Aug 3, 2006

Name: DEMO - Request List Portlet - 1

Category: Manage Categories

Description:

Default Width: Wide

Enabled: Yes No In use by 0 user(s), 0 module(s), and 1 hyperlink(s). View Usage Copy Delete

Display Preference Fields Access User Help

Display Columns

Columns may be displayed in the portlet by Default (in the user's initial view) or in the Maximized view only. Columns may be made optionally available for the user's selection.

Add Column Edit Delete

Click on a column to select User Sortable

Columns Displayed by Default:

Priority	My Priority
Request #	My Request No

Columns Displayed by Default in Maximized View Only:

Columns Available for Display:

Arrange Data

Default Sort By: Priority Ascending Descending

*Default Rows Displayed: 5 In Normal View 50 In Maximized View

Preview Save Done Cancel

DEMO - Request List Portlet - 2

This is the other drill-to portlet and its various components.

Preferences:

Request #	Request Type	Description	Priority
30145	Enhancement Request	Update New Employee Health Care Assignment	Low
30167	Telco Generic	are there required fields?	Low
30210	Gap	Software doesn't support multi-currency	High
30301	System Change Request	New Period Close Reporting for Finance	Normal
30303	System Change Request	Need daily MRP run to start at 23:00 instead of 22:00 to accommodate for longer run times.	Low

Showing 1 to 5 of 200 [Prev](#) [Next](#) [Maximize](#)

Data Source

Data Source : DEMO - Request List Portlet - 2

Data Source Name: DEMO - Request List Portlet - 2 Time-out: Use Default 20 Seconds

Description:

Enabled: Yes No

Data Source | Filter Fields | Portlet Definitions | Ownership

Full Query for the Data Source

```
SELECT PRIORITY_MEANING MY_PRIORITY, request_id MY_REQUEST_NO, DESCRIPTION MY_DESCRIPTION,
REQUEST_TYPE_NAME MY_REQUEST_TYPE_NAME
FROM KCRT_REQUESTS_V
WHERE 1=1
AND batch_number = 1
```

Edit Query Use Bind Variables?

Yes No

Verify OK Save Cancel

Ready

Data Source : DEMO - Request List Portlet - 2

Data Source Name: DEMO - Request List Portlet - 2 Time-out: Use Default 20 Seconds

Description:

Enabled: Yes No

Data Source | Filter Fields | Portlet Definitions | Ownership

Seq	Name	Table	Validation	Required	Enabled
1	Created By	CREATED_BY	NTA - User Names - Enabled	N	Y
2	Request Type	REQUEST_TYPE_ID_L	RT - Request Types - Enabled	N	Y
3	Priority	PTP_RL_PRIORITY	DEM Filter - Priority - Enabled (with blank)	N	Y

↑ ↓ New Edit Remove

Verify OK Save Cancel

Ready

Portlet Definition

Configure Portlet Definition: DEMO - Request List Portlet - 2

Preview Save Done Cancel

Portlet Type: List Data Source: DEMO - Request List Portlet - 2

Created By: Last Modified By: Last Modification Date: Aug 3, 2006

Name: DEMO - Request List Portlet - 2

Category:  Manage Categories

Description:

Default Width: Wide

Enabled: Yes No In use by 0 user(s), 0 module(s), and 1 hyperlink(s).

View Usage Copy Delete

Display Preference Fields Access User Help




Display Columns

Columns may be displayed in the portlet by Default (in the user's initial view) or in the Maximized view only. Columns may be made optionally available for the user's selection.

Add Column Edit Delete

Click on a column to select User Sortable

Columns Displayed by Default:

	Request #		My Request No	
	Request Type		My Request Type Name	
	Description		My Description	
	Priority		My Priority	

Columns Displayed by Default in Maximized View Only:




Columns Available for Display:

Arrange Data

Default Sort By: Request # Ascending Descending

*Default Rows Displayed: In Normal View
 In Maximized View

Preview Save Done Cancel

Managing Portlet Categories

Managing categories is an optional step when creating or maintaining portlet definitions.

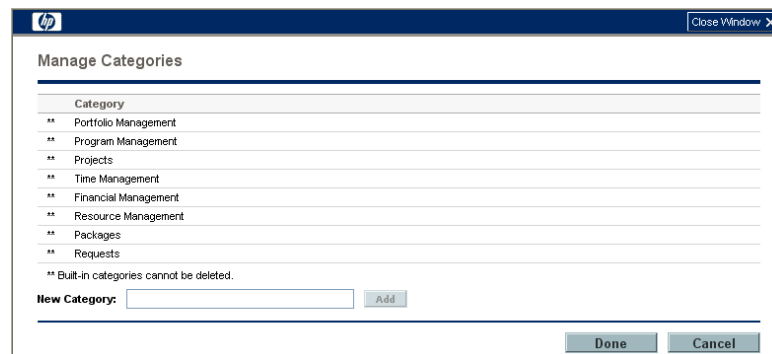
Portlet categories define an entity, such as a request or a task. Portlet categories can also define functional groups, such as Development or Test. Adding one or more categories to a portlet can make a portlet easier to find.

Adding Portlet Categories

To add a portlet category:

1. Click **Manage Categories**, on either the:
 - Enter Portlet Information step of the Create Portlet Definition (<Portlet Type>) page
 - Configure Portlet Definition: <Portlet Definition> page

The Manage Categories dialog box appears.



2. Type a new category name in the **New Category** field.
3. Click **Add**.

The new category is added to the list.

4. Click **Done**.

The Manage Categories dialog box is closed.

Deleting Portlet Categories

To delete a portlet category:



HP-supplied portlet categories cannot be deleted. Also, you cannot delete a portlet category containing one or more portlet definition, and any such categories do not include a **Delete** icon.

1. Click **Manage Categories**, on either the:
 - Enter Portlet Information step of the Create Portlet Definition (<Portlet Type>) page
 - Configure Portlet Definition: <Portlet Definition> page

The Manage Categories dialog box appears.

2. Click the **Delete** icon next to the portlet category.

The portlet category is deleted.

3. Click **Done**.

The Manage Categories dialog box is closed.

Supplemental Details for the Set Up Display Option Step

This section provides relevant details for the Set up Display options for the various portlet types. This information is used in [step 7 on page 58](#).

List Portlet

Figure 3-4. Set up Display Options for list portlets

Table 3-1. Set up Display Options field descriptions for list portlets (page 1 of 2)

Field Name (*Required)	Description
Display Columns section	
Add Column	Click to add a new column. See Adding Columns on page 91 for details.
Edit	Select a column, then click to make changes to that column. See Editing Columns on page 94 for details.
Delete	Select a column, then click to remove that column. See Deleting Columns on page 95 for details.

Table 3-1. Set up Display Options field descriptions for list portlets (page 2 of 2)

Field Name (*Required)	Description
Columns Displayed by Default	Use the up- and down-pointers to rearrange the order of the columns. Choices include the columns whose Display value is set to either By Default - Shown in user's initial view or Always - Cannot be removed by user .
Columns Displayed by Default in Maximized View Only	Use the up- and down-pointers to rearrange the order of the columns. Choices include the columns whose Display value is set to In Maximized View Only - Shown by default in Maximized View .
Columns Available for Display	Use the up- and down-pointers to rearrange the order of the columns. Choices include the columns whose Display value is set to Optional - Available for display by user .
Arrange Data section	
Default Sort By	Select the default column used to sort the data. Choices include the columns whose User Sortable value is set to Yes .
Ascending/Descending	Indicate whether to sort the data in Ascending and Descending order.
*Default Rows Displayed in Normal View	Specify the default number of records displayed in a normal view portlet. Type any integer greater than zero.
*Default Rows Displayed in Maximized View	Specify the default number of records displayed in a maximized portlet. Type any integer greater than zero.

Adding Columns

To add a new column to a list portlet:

1. Click **Add Column**.

The Add Display Column dialog box opens.

2. Provide the column details using the information from the following table.



Many fields are dependent on the value for **Column Type** and the applicable fields may be described in multiple sections of the following table.

Field Name (*Required)	Description
All Column Types	
*Column Title	Specify the column title to be displayed in the portlet. Type any alphanumeric string (up to 200 characters in length).
*Column Type	Select the column type. Choices include: <ul style="list-style-type: none"> ■ Text ■ Text with Icon ■ Icon ■ Progress Bar

Field Name (*Required)	Description
Tooltip Source	Select the source for the tooltip which should appear when a user hovers over an item. Choices are limited to those columns in the data source configured for this portlet definition on your PPM Center instance.
Source contains HTML	Select to enable HTML support for Tooltip Source .
User Sortable	Indicate whether or not the current column can be used for sorting purposes.
Display	Select how the column should be displayed. Choices include: <ul style="list-style-type: none"> ■ Optional. Make the column available to the user in the portlet's edit page (Available Column). ■ By Default. Make the column visible in the portlet (Displayed Column). ■ In Maximized View Only. Make the column visible in the portlet's Maximized View only (Additional Columns Displayed in Maximized View). ■ Always. Make the column visible in the portlet (Displayed Column with asterisk).
Hyperlink Options	Specify whether the column can be linked to another page or portlet. Choices include: <ul style="list-style-type: none"> ■ No Hyperlink. Links to other pages are not allowed. ■ Hyperlink Source. Link to the selected column. ■ Drilldown to Portlet. Drill down to the selected portlet. See Defining a Drilldown Page on page 73 for details.
Column Type: Text and Text with Icon	
*Visible Text Source	Select the data column that contains the information to display in the portlet. Choices are limited to those columns in the data source configured for this portlet definition on your PPM Center instance.
Source contains HTML	Select to enables HTML support Visible Text Source .

Field Name (*Required)	Description
Column Width	Select the weight of column relative to the others. Choices include: <ul style="list-style-type: none"> ■ Small ■ Medium ■ Large
Truncate after <X> Characters	When Source contains HTML for Visible Text Source is selected, specify the number of characters to show in the column. Type any integer greater than zero.
Show Full Text in Tooltip	When a value is supplied for Truncate after <X> Characters , select to show the full text a in tooltip.
Column Type: Icon or Text with Icon	
*Icon Source	Select the source for the icon. Choices are limited to those columns in the data source configured for this portlet definition on your PPM Center instance or a column predefined with icon URLs.
Column Type: Progress Bar	
*Percentage Source	Choices are limited to those columns in the data source configured for this portlet definition on your PPM Center instance or a column predefined with percentage information.
Color Source	Select the source for the color. See Selecting Portlet Colors on page 107 for details.

3. Click **Done**.

The Add Display Column dialog box closes and the new column is added to the Create Portlet Definition (List) page.

Editing Columns

To modify an existing column in a list portlet:

1. Select the column to be modified.
2. Click **Edit**.

The Edit Display Column: *<Column Title>* dialog box opens.

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3. Make the desired changes using the information from the table in [step 2 on page 91](#) as a guideline.



Many fields are dependent on the value for **Column Type** and the applicable fields may be described in multiple sections of that table.

4. Click **Done**.

The Edit Display Column: *<Column Title>* dialog box closes and any applicable changes are noted on the Create Portlet Definition (List) page.

Deleting Columns

To delete an existing column from a list portlet:

1. Select the column to be removed.
2. Click **Delete**.

The column is deleted from the Create Portlet Definition (List) page.

Bar Chart Portlet

Figure 3-5. Set up Display Options for bar chart portlets

Table 3-2. Set up Display Options field descriptions for bar chart portlets (page 1 of 2)

Field Name (*Required)	Description
Chart Title	Specify a name for the chart. Type any alphanumeric string (up to 200 characters in length).
*Bar Source	Select a source column for the information to be displayed on the bar axis. Choices are limited to those columns available in your portlet data source.
Bar Axis Label	Specify the label for the bar axis. Type any alphanumeric string (up to 200 characters in length.)

Table 3-2. Set up Display Options field descriptions for bar chart portlets
(page 2 of 2)

Field Name (*Required)	Description
*Bar Value Source	Select a <i>numeric</i> source column for the information to be displayed on the value axis (the length of each bar). Choices are limited to those columns available in your portlet data source.
Value Axis Label	Specify the label for the value axis. Type any alphanumeric string (up to 200 characters in length.)
Orientation	Indicate the orientation of the bars. Choices include: <ul style="list-style-type: none"> ■ Horizontal ■ Vertical
Color Source	Select the source for the color. See Selecting Portlet Colors on page 107 for details.
Tooltip Source	Select the source column for the tooltip to be displayed when the cursor hovers over an item. Choices are limited to those columns available in your portlet data source.
Hyperlink Options	Specify whether the column can be linked to another page or portlet. Choices include: <ul style="list-style-type: none"> ■ No Hyperlink. Links to other pages are not allowed. ■ Hyperlink Source. Link to the selected column. ■ Drilldown to Portlet. Drill down to the selected portlet. See Defining a Drilldown Page on page 73 for details.

Clustered Bar Chart Portlet

Figure 3-6. Set up Display Options for clustered bar chart portlets

Create Portlet Definition (Clustered Bar Chart)

1. Choose Portlet Type ▶ 2. Enter Portlet Information ▶ 3. Set up Display Options ▶ 4. Define Preferences
5. Configure Access ▶ 6. Add User Help

Data Source Mapping to Chart

Select a data source column to map to each chart property:

Chart Title:

*Cluster Source: ASSIGNED_TO_FULL_NAME ▼

Cluster Axis Label:

*Bar Source: ASSIGNED_TO_FULL_NAME ▼

Bar Label:

*Bar Value Source: ASSIGNED_TO_FULL_NAME ▼

Value Axis Label:

Orientation: Horizontal ▼

Color Source: ▼

Tooltip Source: ▼

Hyperlink Options:

No Hyperlink

Hyperlink Source: ASSIGNED_TO_EMAIL ▼

Drilldown to Portlet: (None)

Sample Clustered Bar Chart

Cancel

Table 3-3. Set up Display Options field descriptions for clustered bar chart portlets (page 1 of 2)

Field Name (*Required)	Description
Chart Title	Specify a name for the chart. Type any alphanumeric string (up to 200 characters in length).
*Cluster Source	Select a source column for the information to be displayed in the cluster. Choices are limited to those columns available in your portlet data source.
Cluster Axis Label	Specify the label for the cluster axis. Type any alphanumeric string (up to 200 characters in length.)
*Bar Source	Select a source column for the information to be displayed for the bars. Choices are limited to those columns available in your portlet data source.
Bar Label	Specify the label for the legend. Type any alphanumeric string (up to 200 characters in length.)

Table 3-3. Set up Display Options field descriptions for clustered bar chart portlets (page 2 of 2)

Field Name (*Required)	Description
*Bar Value Source	Select a <i>numeric</i> source column for the information to be displayed on the value axis (the length of each bar). Choices are limited to those columns available in your portlet data source.
Value Axis Label	Specify the label for the value axis. Type any alphanumeric string (up to 200 characters in length.)
Orientation	Indicate the orientation of the bars. Choices include: <ul style="list-style-type: none"> ■ Horizontal ■ Vertical
Color Source	Select the source for the color. See Selecting Portlet Colors on page 107 for details.
Tooltip Source	Select the source column for the tooltip to be displayed when the cursor hovers over an item. Choices are limited to those columns available in your portlet data source.
Hyperlink Options	Specify whether the column can be linked to another page or portlet. Choices include: <ul style="list-style-type: none"> ■ No Hyperlink. Links to other pages are not allowed. ■ Hyperlink Source. Link to the selected column. ■ Drilldown to Portlet. Drill down to the selected portlet. See Defining a Drilldown Page on page 73 for details.

Stacked Bar Chart Portlet

Figure 3-7. Set up Display Options for stacked bar chart portlets

Create Portlet Definition (Stacked Bar Chart)

1. Choose Portlet Type ▶ 2. Enter Portlet Information ▶ 3. Set up Display Options ▶ 4. Define Preferences
5. Configure Access ▶ 6. Add User Help

Data Source Mapping to Chart

Select a data source column to map to each chart property:

Chart Title:

*Bar Source: ASSIGNED_TO_FULL_NAME ▼

Bar Axis Label:

*Bar Division Source: ASSIGNED_TO_FULL_NAME ▼

Bar Division Label:

*Bar Division Value Source: ASSIGNED_TO_FULL_NAME ▼

Value Axis Label:

Orientation: Horizontal ▼

Color Source: ▼

Tooltip Source: ▼

Hyperlink Options:

No Hyperlink

Hyperlink Source: ASSIGNED_TO_EMAIL ▼

Drilldown to Portlet: (None)

Sample Stacked Bar Chart

Bar Division Label

Bar Division F Bar Division G Bar Division H
Bar Division I Bar Division J

Table 3-4. Set up Display Options field descriptions for stacked bar chart portlets (page 1 of 2)

Field Name (*Required)	Description
Chart Title	Specify a name for the chart. Type any alphanumeric string (up to 200 characters in length).
*Bar Source	Select a source column for the information to be displayed on the bar axis. Choices are limited to those columns available in your portlet data source.
Bar Axis Label	Specify the label for the bar axis. Type any alphanumeric string (up to 200 characters in length).
*Bar Division Source	Select the source column for the bar divisions. Choices are limited to those columns available in your portlet data source.
Bar Division Label	Specify the label for the bar divisions.

Table 3-4. Set up Display Options field descriptions for stacked bar chart portlets (page 2 of 2)

Field Name (*Required)	Description
*Bar Division Value Source	Select a <i>numeric</i> source column for the information to be displayed on the value axis (the length of each bar). Choices are limited to those columns available in your portlet data source.
Value Axis Label	Specify the label for the value axis. Type any alphanumeric string (up to 200 characters in length.)
Orientation	Indicate the orientation of the bars. Choices include: <ul style="list-style-type: none"> ■ Horizontal ■ Vertical
Color Source	Select the source for the color. See Selecting Portlet Colors on page 107 for details.
Tooltip Source	Select the source column for the tooltip to be displayed when the cursor hovers over an item. Choices are limited to those columns available in your portlet data source.
Hyperlink Options	Specify whether the column can be linked to another page or portlet. Choices include: <ul style="list-style-type: none"> ■ No Hyperlink. Links to other pages are not allowed. ■ Hyperlink Source. Link to the selected column. ■ Drilldown to Portlet. Drill down to the selected portlet. See Defining a Drilldown Page on page 73 for details.

Pie Chart Portlet

Figure 3-8. Set up Display Options for pie chart portlets

Create Portlet Definition (Pie Chart)

1. Choose Portlet Type ▶ 2. Enter Portlet Information ▶ 3. Set up Display Options ▶ 4. Define Preferences
5. Configure Access ▶ 6. Add User Help

Data Source Mapping to Chart

Select a data source column to map to each chart property:

Chart Title:

***Wedge Source:** ASSIGNED_TO_FULL_NAME ▼

***Wedge Size Source:** ASSIGNED_TO_FULL_NAME ▼

Wedge Label:

Color Source: ▼

Tooltip Source: ▼

Hyperlink Options:

No Hyperlink

Hyperlink Source: ASSIGNED_TO_EMAIL ▼

Drilldown to Portlet: (None)

Sample Pie Chart

Chart Title

Total: N (Wedge Source Value Total)	Wedge Label
20%	20% Wedge A
25%	25% Wedge B
45%	45% Wedge C
8%	8% Wedge D
2%	2% Wedge E

Table 3-5. Set up Display Options field descriptions for pie chart portlets (page 1 of 2)

Field Name (*Required)	Description
Chart Title	Specify a name for the chart. Type any alphanumeric string (up to 200 characters in length).
*Wedge Source	Select the source column for the wedge (pie slice). Choices are limited to those columns available in your portlet data source.
*Wedge Size Source	Select the <i>numeric</i> source column which determines the size of each wedge. Choices are limited to those columns available in your portlet data source.
Wedge Label	Specify a label for the wedges. Type any alphanumeric string (up to 200 characters in length).

Table 3-5. Set up Display Options field descriptions for pie chart portlets
(page 2 of 2)

Field Name (*Required)	Description
Color Source	Select the source for the color. See Selecting Portlet Colors on page 107 for details.
Tooltip Source	Select the source column for the tooltip to be displayed when the cursor hovers over an item. Choices are limited to those columns available in your portlet data source.
Hyperlink Options	Specify whether the column can be linked to another page or portlet. Choices include: <ul style="list-style-type: none"> ■ No Hyperlink. Links to other pages are not allowed. ■ Hyperlink Source. Link to the selected column. ■ Drilldown to Portlet. Drill down to the selected portlet. See Defining a Drilldown Page on page 73 for details.

Line Chart Portlet

Figure 3-9. Set up Display Options for line chart portlets

Create Portlet Definition (Line Chart)

1. Choose Portlet Type ▶ 2. Enter Portlet Information ▶ 3. **Set up Display Options** ▶ 4. Define Preferences
5. Configure Access ▶ 6. Add User Help

Data Source Mapping to Chart

Select a data source column to map to each chart property:

Chart Title:

***X-Axis Source:**

X-Axis Label:

***Y-Axis Source:**

Y-Axis Label:

***Line Source:**

Line Label:

Color Source:

Tooltip Source:

Hyperlink Options:

No Hyperlink

Hyperlink Source:

Drilldown to Portlet: (None)

Sample Line Chart

Chart Title

Y-Axis Label

(Y Value) n

(X Value) n

Line Label

Line G Line H Line I
Line J Line K

Table 3-6. Set up Display Options field descriptions for line chart portlets
(page 1 of 2)

Field Name (*Required)	Description
Chart Title	Specify a name for the chart. Type any alphanumeric string (up to 200 characters in length).
*X-Axis Source	Select the source column for the x-axis. Choices are limited to those columns available in your portlet data source.
X-Axis Label	Specify a label for the x-axis. Type any alphanumeric string (up to 200 characters in length).
*Y-Axis Source	Select the <i>numeric</i> source column for the y-axis. Choices are limited to those columns available in your portlet data source.
Y-Axis Label	Specify a label for the y-axis. Type any alphanumeric string (up to 200 characters in length).
*Line Source	Select the source column for each line. Choices are limited to those columns available in your portlet data source.
Line Label	Specify a label for the legend. Type any alphanumeric string (up to 200 characters in length).

Table 3-6. Set up Display Options field descriptions for line chart portlets
(page 2 of 2)

Field Name (*Required)	Description
Color Source	Select the source for the color. See Selecting Portlet Colors on page 107 for details.
Tooltip Source	Select the source column for the tooltip to be displayed when the cursor hovers over an item. Choices are limited to those columns available in your portlet data source.
Hyperlink Options	Specify whether the column can be linked to another page or portlet. Choices include: <ul style="list-style-type: none"> ■ No Hyperlink. Links to other pages are not allowed. ■ Hyperlink Source. Link to the selected column. ■ Drilldown to Portlet. Drill down to the selected portlet. See Defining a Drilldown Page on page 73 for details.

Bubble Chart Portlet

Figure 3-10. Set up Display Options for bubble chart portlets

Create Portlet Definition (Bubble Chart)

1. Choose Portlet Type ▶ 2. Enter Portlet Information ▶ 3. Set up Display Options ▶ 4. Define Preferences
5. Configure Access ▶ 6. Add User Help

Data Source Mapping to Chart

Select a data source column to map to each chart property:

Chart Title:

*X-Axis Source: ASSIGNED_TO_FULL_NAME ▼

X-Axis Label:

*Y-Axis Source: ASSIGNED_TO_FULL_NAME ▼

Y-Axis Label:

*Bubble Size Source: ASSIGNED_TO_FULL_NAME ▼

Bubble Size Label:

Color Source: ▼

Color Label Source: ▼

Color Label:

Tooltip Source: ▼

Hyperlink Options:

No Hyperlink

Hyperlink Source: ASSIGNED_TO_EMAIL ▼

Drilldown to Portlet: (None)

Sample Bubble Chart

Chart Title

Y-Axis Label

(Y Value) n

(X Value) n

X-Axis Label

Color Label

Color Label A Color Label B Color Label C

Table 3-7. Set up Display Options field descriptions for bubble chart portlets
(page 1 of 2)

Field Name (*Required)	Description
Chart Title	Specify a name for the chart. Type any alphanumeric string (up to 200 characters in length).
*X-Axis Source	Select the source column for the x-axis. Choices are limited to those columns available in your portlet data source.
X-Axis Label	Specify a label for the x-axis. Type any alphanumeric string (up to 200 characters in length).
*Y-Axis Source	Select the <i>numeric</i> source column for the y-axis. Choices are limited to those columns available in your portlet data source.
Y-Axis Label	Specify a label for the y-axis. Type any alphanumeric string (up to 200 characters in length).
*Bubble Size Source	Select the source column for the size of the bubble. Choices are limited to those columns available in your portlet data source.
Bubble Size Label	Specify the label for the bubble size. Type any alphanumeric string (up to 200 characters in length).
Color Source	Select the source for the color. See Selecting Portlet Colors on page 107 for details.
Color Label Source	Select the source for the labels associated with the colors.

Table 3-7. Set up Display Options field descriptions for bubble chart portlets
(page 2 of 2)

Field Name (*Required)	Description
Color Label	Specify the label for the legend. Type any alphanumeric string (up to 200 characters in length).
Tooltip Source	Select the source column for the tooltip to be displayed when the cursor hovers over an item. Choices are limited to those columns available in your portlet data source.
Hyperlink Options	Specify whether the column can be linked to another page or portlet. Choices include: <ul style="list-style-type: none"> ■ No Hyperlink. Links to other pages are not allowed. ■ Hyperlink Source. Link to the selected column. ■ Drilldown to Portlet. Drill down to the selected portlet.

Selecting Portlet Colors

Most of the portlet types include the option to specify particular colors for a portlet. Unlike the default color map that selects and changes the colors seemingly at random, the colors you specify will always be used when the portlet is displayed.

To specify color mappings for a portlet requires configuration of the:

- Portlet data source
- Portlet definition

Defining Color Maps in the Portlet Data Source

To specify a color map for a portlet, refer to [Chapter 2, *Creating and Maintaining Portlet Data Sources*, on page 21](#). In the section [Completing the Data Source Tab on page 30](#), you will need to add (or modify) columns to specify the color map.

In general, color mappings:

- Should correspond to the column used in the Order By clause
- Can be indicated for one or more of the “order by” values
- Color can be specified by:
 - Name (such as LemonChiffon)
 - Hexadecimal code (for example, #FFFACD)

Names or codes are case-insensitive. That is, DarkGoldenRod is the same as DARKgoldenROD and #B8860B is the same as #b8860b.

[Appendix A, *Color Names*, on page 125](#), provides a comprehensive list of color names and some recommendations about their use.



Specific colors can also be specified based on portlet field labels; however, these settings are instance-wide. This can be especially helpful for making colors consistent for field labels such as High, Medium, or Low. See the [Customizing the Standard Interface](#) guide for details.

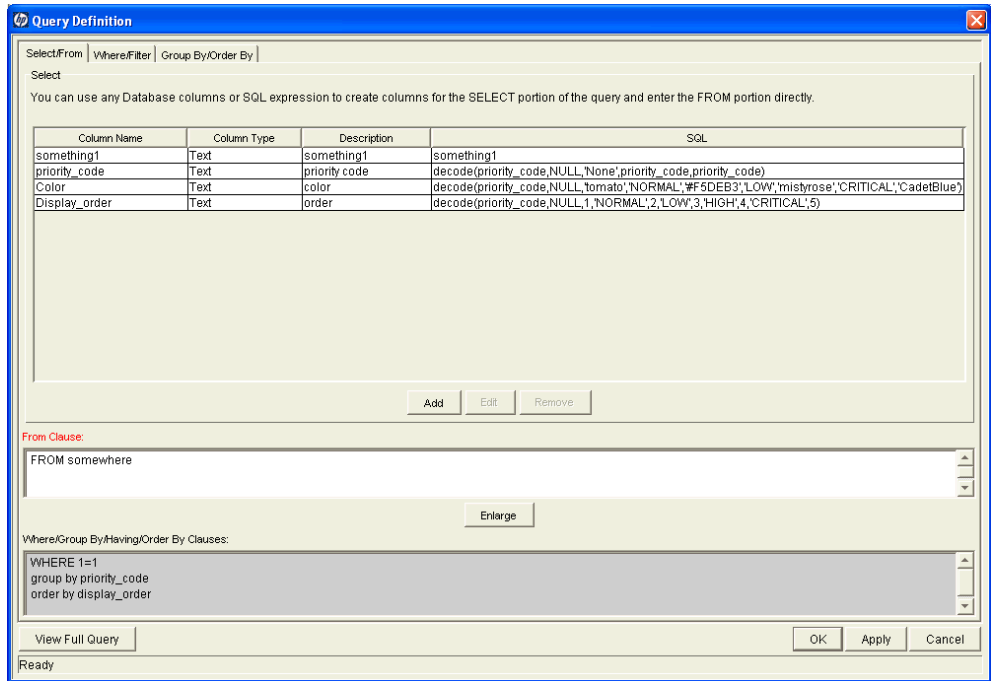
Figure 3-11 shows examples of these settings in the **Select** section of the Select/From tab of the Query Definition window (see [Chapter 2, *Creating and Maintaining Portlet Data Sources*](#), on page 21 for details about this window).

- The values for priority_code column include the priorities associated with a request (of the type being displayed in this portlet):
 - Normal
 - Low
 - High
 - Critical
 - None
- The Display_Order column ranks the values of the priority codes
- The Order By clause specifies the use of the Display_Order column
- The Color column specifies the relationship of the colors to the “display order” as follows:
 - Wheat (by hexadecimal code) for Normal
 - MistyRose for Low
 - The default color for High (which means the color is subject to change)
 - CadetBlue for Critical
 - Tomato for None



The colors shown in this example, as well as the choice of portlet are probably unrealistic. You probably want to select colors that are meaningful to your organization and more practical than those selected for this example.

Figure 3-11. Color map in the portlet data source



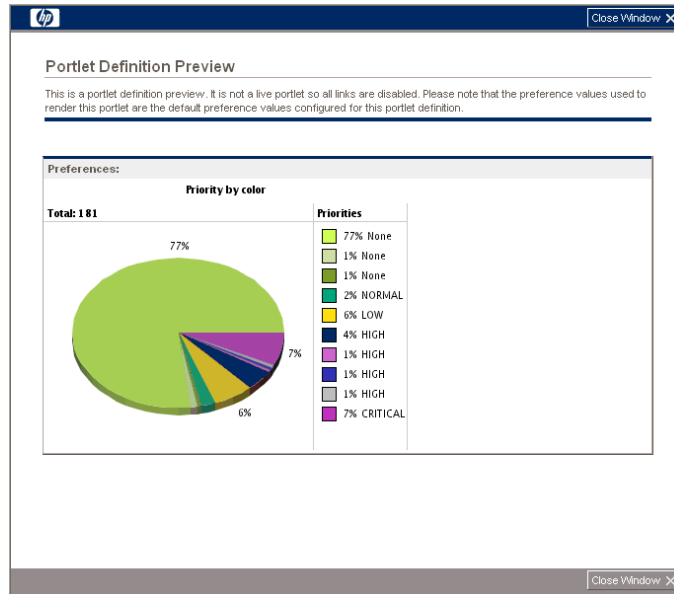
Specifying the Color Map in the Portlet Definition

Once a portlet data source includes a color map, you can specify its use in a color specification-enabled portlet.

Figure 3-12 shows a preview of a pie chart that uses the default color map.

As shown in *Figure 3-14*, specifying a color map can help establish consistency of the portlet coloration and, potentially, its interpretation.

Figure 3-12. Default color map



To specify use of a color map available in a portlet's data source, select the color map's column for the **Color Source** as shown in *Figure 3-13*.

Figure 3-13. Set up Display Options with color specification

Project and Portfolio Management Center

Welcome, Admin User
May 12, 2008 02:07:45 PM PDT

Create A Request > Search for a Portlet Definition to Configure > Search Results > Create Portlet Definition > Create Portlet Definition

Create Portlet Definition (Pie Chart)

1. Choose Portlet Type > 2. Enter Portlet Information > 3. Set up Display Options > 4. Define Preferences
5. Configure Access > 6. Add User Help

Data Source Mapping to Chart

Select a data source column to map to each chart property:

Chart Title: Priority by color

Wedge Source: priority_code

Wedge Size Source: Total

Wedge Label: Priorities

Color Source: Color

Tooltip Source:

Hyperlink Options:

No Hyperlink
 Hyperlink Source: Color
 Drilldown to Portlet: (None) Edit

Sample Pie Chart

Chart Title: Total: N (Wedge Source Value Total)

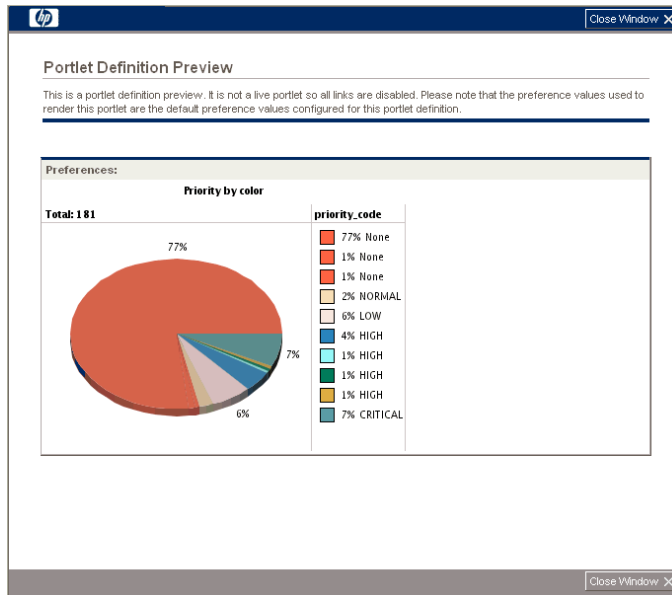
Wedge Label	Percentage
Wedge A	20%
Wedge B	25%
Wedge C	45%
Wedge D	8%
Wedge E	2%

45% (Wedge Size)

Buttons: Cancel, Back, Next

The resulting preview is shown in *Figure 3-14*.

Figure 3-14. Selected color mappings



4 Creating and Maintaining PPM Dashboard Pages and Modules

In This Chapter:

- *About PPM Dashboard Pages and Modules*
 - *Preconfigured Dashboard Pages*
 - *Shared Dashboard Pages*
 - *Searching for Modules*
 - *Creating and Sharing New Modules*
 - *Copying Modules*
 - *Modifying Modules*
 - *Deleting Modules*
-

About PPM Dashboard Pages and Modules

Modules are either provided by HP or application administrators and can be supplied to users as either preconfigured Dashboard pages or “shared.” Modules must have a unique name and can contain one or more Dashboard pages, each with one or more portlets.

Preconfigured Dashboard Pages

Preconfigured Dashboard pages are modules that users can add to their Private pages folder. These pages are useful in situations where users routinely use the same (basic) page setup. These preconfigured Dashboard pages can be edited and personalized by users to increase their usefulness. Preconfigured Dashboard pages are provided by either HP or application administrators.

HP-Provided Preconfigured Pages

Preconfigured Dashboard pages that are provided by HP are added using the **Add preconfigured pages** drop-down menu item located on the Personalize Dashboard page (see *Figure 4-1*). Once clicked, the Add Preconfigured Pages to Dashboard dialog box opens (see *Figure 4-2*).

Application Administrator-Provided Preconfigured Pages

Preconfigured Dashboard pages that are provided by application administrators appear in the Shared pages folder on the Personalize Dashboard page (such as Sample, shown in *Figure 4-1*). Once moved to the Private pages folder (using **Copy** and **Paste** functionality) the module can be personalized by the user; modules appearing in the Shared pages folder cannot be edited.

Figure 4-1. Personalize Dashboard page

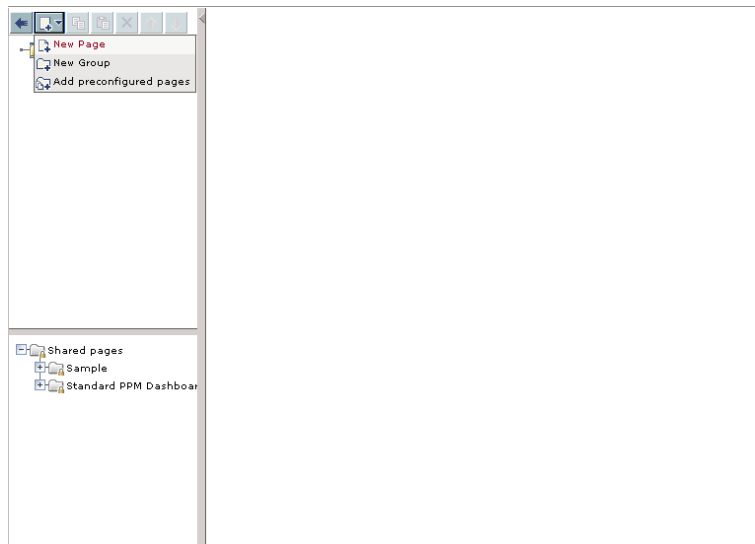
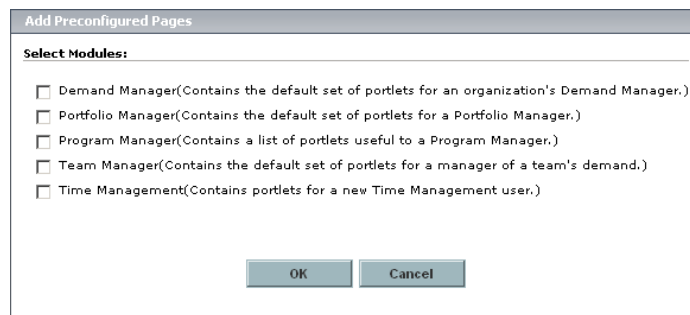


Figure 4-2. Add Preconfigured Pages to Dashboard dialog box



Shared Dashboard Pages

Shared Dashboard pages are modules that are created by application administrators and users find these in their Shared pages folder. Shared modules can be configured such that users can copy them to the Private pages folder and edit them (therefore behaving much like preconfigured Dashboard pages), or shared modules can be made uneditable—these type of modules are especially useful when application administrators want to share specific details and status with their stakeholders.

Searching for Modules

To search for an existing module:

1. Log on to PPM Center.
2. From the menu bar, select **Administration > Modules > Configure Modules**.

The Configure Modules page appears.

3. Provide the search criteria using the information from the following table.

Field Name (*Required)	Description
Name starts with	Specify a name for the module. Type any alphanumeric string (up to 255 characters in length).
Created By	Select the user who created the module.
Last Updated From <Date> To <Date>	Select the date range when the module was last updated.
Available to Users	Select one or more users who have access to the module.
Groups	Select one or more groups who have access to the module.
Org-Units	Select one or more groups who have access to the module.
Status	Select the status criteria: Choices include: <ul style="list-style-type: none"> ■ All ■ Enabled ■ Disabled

Field Name (*Required)	Description
Sort By	Select the sort criteria. Choices include: <ul style="list-style-type: none"> ■ Name ■ Last Updated On ■ Status
Ascending/Descending	Indicate the sorting sequence.
*Results Displayed Per Page	Specify the maximum number of search results to display on a page. Type any integer, including zero.



Click **Reset Form** if you would like to clear your current search criteria.

4. Click **Search**.

The Configure Modules page is updated to include the search results which are displayed in the **Select a Module to Configure** section. If the list of results is long, click **Prev** and **Next** to navigate the list.

Configure Modules

These Modules are maintained only by Administrators. Users that wish to personalize module pages must copy the pages to their private dashboard area.

Select a Module to Configure				Showing 1 to 10 of 10	Prev	Next
Name	Description	Last Updated On	Status			
<input type="checkbox"/> AH - TEMP	just a test. should be deleted	March 12, 2007	Enabled			
<input type="checkbox"/> AH - test 2		March 12, 2007	Enabled			
<input type="checkbox"/> Capital Exposure	Dashboard to display the state of capitalized costs in the current portfolio broken down by project.	March 12, 2007	Enabled			
<input type="checkbox"/> Demand Manager	Contains the default set of portlets for an organization's Demand Manager.	March 12, 2007	Enabled			
<input type="checkbox"/> New Module	dsmplr	March 12, 2007	Enabled			
<input type="checkbox"/> Portfolio Manager	Contains the default set of portlets for a Portfolio Manager.	March 12, 2007	Enabled			
<input type="checkbox"/> Program Manager	Contains a list of portlets useful to a Program Manager.	March 12, 2007	Enabled			
<input type="checkbox"/> Standard PPM Dashboard	Standard PPM Dashboard	March 12, 2007	Enabled			
<input type="checkbox"/> Team Manager	Contains the default set of portlets for a manager of a team's demand.	March 12, 2007	Enabled			
<input type="checkbox"/> Time Management	Contains portlets for a new Time Management user.	March 12, 2007	Enabled			

Configure Modules

Search for a Module to Configure							<input type="button" value="Reset Form"/>
Name starts with:	<input type="text"/>						
Created By:	<input type="text"/>	<input type="button" value="User"/>					
Last Updated From:	<input type="text"/>	<input type="button" value="Calendar"/>	To:	<input type="text"/>	<input type="button" value="Calendar"/>		
Available to Users:	<input type="text"/>	<input type="button" value="User"/>	Groups:	<input type="text"/>	<input type="button" value="Groups"/>	Org-Units:	
	<input type="text"/>	<input type="button" value="Org-Units"/>		<input type="text"/>	<input type="button" value="Org-Units"/>		
Status:	<input type="button" value="All"/>						
Sort By:	<input type="button" value="Name"/>	<input type="radio"/> Ascending	<input type="radio"/> Descending	*Results Displayed Per Page:	<input type="text" value="50"/>		

From the Configure Modules page you can:

- **Select a module.** In the **Select a Module to Configure** section, either select the checkbox associated with the desired module or click the link for the module.
- **Refine your search.** In the **Search for a Module to Configure** section, provide the search criteria detailed in [step 3 on page 116](#).

Creating and Sharing New Modules

To create, then share, an entirely new module:

1. Log on to PPM Center.
2. From the menu bar, select **Administration > Modules > Create a Module**.

The Create Module page appears.

Create Module

Create

Header

Module Name: New Module 0

Description:

Enabled: Yes No

Create

3. In the **Module Name** field, type the name of the module.
4. (Optional, although highly recommended) In the **Description** field, type a brief description of the module.
5. (Optional) Select the desired **Enabled** option.

6. Click **Create**.

The Personalize Dashboard page appears and includes the Configure: <Module_Name> display.

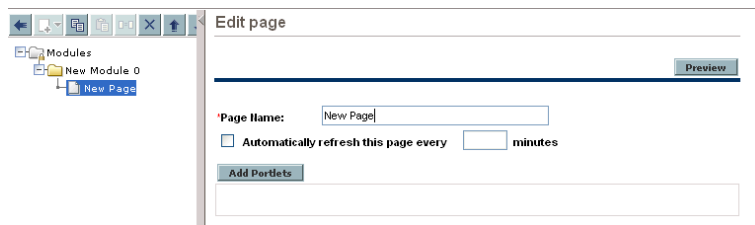
The screenshot shows a web browser window titled "Configure: New Module 0". On the left is a navigation tree with "Modules" and "New Page". The main content area has a "Save" button at the top right. It is divided into three sections: "Header" with fields for "Created By", "Last Modified By", "Last Modification Date", "Module Name", "Description", and "Enabled"; "Administrator Comments" with a text area and "View Comments" button; and "Configure Access" with "Read-Only Access" and "Administrator Access" subsections.



The contents of the page may differ depending on the module chosen.

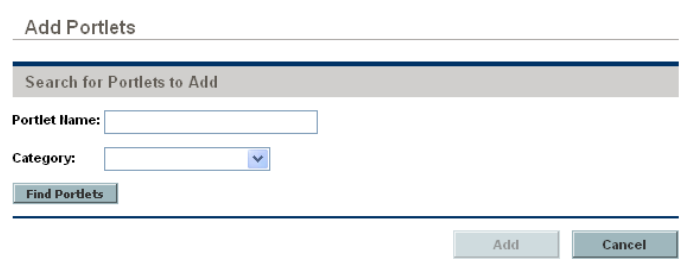
7. (Optional) In the **Header** section, update the data in the appropriate fields.
8. (Optional, although highly recommended) In the **Administrator Comments** section, add comments as desired.
9. In the **Configure Access** section, specify to whom, and the type of access, access of the module should be granted.
10. Add Dashboard pages and portlets as desired.
 - a. Either:
 - Select the “New Page” file from the folder containing the new module
 - Select the module from the Modules folder and select either **Add > Add New Page** or **Add > Add user page** (following a right-click).

The Personalize Dashboard page appears and includes the Edit page display.



- b. (Optional) Rename the page.
- c. (Optional) Set the page refresh rate.
- d. Click **Add Portlets**.

The Add portlets dialog box appears.



- e. Select, add, and configure the desired portlets.

Note that the portlets are shown in the hierarchy for the module.

- f. (Optional) Click **Preview** to review the results.

11. Repeat [step 10](#) until the module is configured as desired.
12. Select the module name from the Modules folder.
13. To share the module, make sure that you have completed all of the following tasks:
 - Provided adequate access controls in the **Configure Access** section.
 - Selected the **Yes** option for **Enabled** (found in the **Header** section).

14. Click **Save**.

The Personalize Dashboard page is updated and includes a message indicating the status of the save operation.



Copying Modules

To copy an existing module and use it as the basis for a new module:

1. Log on to PPM Center.
2. From the menu bar, select **Administration > Modules > Configure Modules**.

The Configure Modules page appears, as shown in [step 2 on page 116](#).

3. Search for and select a module.

For complete information on how to search for and select modules, see [Searching for Modules on page 116](#).

The Personalize Dashboard page appears, as shown in [step 6 on page 119](#).

4. Select the name of the module from the Modules folder.
5. Click **Clone** (following a right-click).

An advisory dialog box appears.

6. Click **OK**.

A copy of the module will appear in the Modules folder.

7. Select the name of the copied module.
8. Change the settings of the copied module using the steps detailed in [Creating and Sharing New Modules on page 118](#).



Remember to enable the module once the settings are updated.

9. Click **Create**.

Modifying Modules

To change an existing module:

1. Log on to PPM Center.
2. From the menu bar, select **Administration > Modules > Configure Modules**.
The Configure Modules page appears, as shown in [step 2 on page 116](#).
3. Search for and select a module.

For detailed instructions on how to search for and select modules, see [Searching for Modules on page 116](#).

The Personalize Dashboard page appears, as shown in [step 6 on page 119](#).

From this page, you can do the following:

- Change the contents (or accessibility) of a module, see [Creating and Sharing New Modules on page 118](#).
- Copy the module, see [Copying Modules on page 121](#).
- Remove the module, see [Deleting Modules on page 122](#).

Deleting Modules

To delete an existing module:

1. Log on to PPM Center.
2. From the menu bar, select **Administration > Modules > Configure Modules**.
The Configure Modules page appears, as shown in [step 2 on page 116](#).
3. Search for and select a module.

For complete information on how to search for and select modules, see [Searching for Modules on page 116](#).

The Personalize Dashboard page appears, as shown in [step 6 on page 119](#).

4. Select the name of the module from the Modules folder.
5. Click **Delete** (following a right-click).

A confirmation dialog box opens.

6. Click **OK**.

The Configure Modules page appears.

A Color Names

This appendix provides the table of color names that are supported by most browsers. These are the color names referenced in *Selecting Portlet Colors* on page 107.

It is important to note that only 16 color names are supported in the W3C HTML 4.0 standard (aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, purple, red, silver, teal, white, and yellow). If you have concerns about browser compatibility, or are planning to export the portlet, you should use the hexadecimal values rather than the color names.

To view the colors themselves, point your browser to www.w3.org/TR/css3-color/#html4 and locate the section documenting “SVG color keywords.”

Table A-1. Color names (page 1 of 6)

Color Name	Hex Value
AliceBlue	#F0F8FF
AntiqueWhite	#FAEBD7
Aqua	#00FFFF
Aquamarine	#7FFFD4
Azure	#F0FFFF
Beige	#F5F5DC
Bisque	#FFE4C4
Black	#000000
BlanchedAlmond	#FFEBCD
Blue	#0000FF
BlueViolet	#8A2BE2
Brown	#A52A2A
BurlyWood	#DEB887
CadetBlue	#5F9EA0
Chartreuse	#7FFF00
Chocolate	#D2691E

Table A-1. Color names (page 2 of 6)

Color Name	Hex Value
Coral	#FF7F50
CornflowerBlue	#6495ED
Cornsilk	#FFF8DC
Crimson	#DC143C
Cyan	#00FFFF
DarkBlue	#00008B
DarkCyan	#008B8B
DarkGoldenrod	#B8860B
DarkGray	#A9A9A9
DarkGreen	#006400
DarkKhaki	#BDB76B
DarkMagenta	#8B008B
DarkOliveGreen	#556B2F
DarkOrange	#FF8C00
DarkOrchid	#9932CC
DarkRed	#8B0000
DarkSalmon	#E9967A
DarkSeaGreen	#8FBC8F
DarkSlateBlue	#483D8B
DarkSlateGray	#2F4F4F
DarkTurquoise	#00CED1
DarkViolet	#9400D3
DeepPink	#FF1493
DeepSkyBlue	#00BFFF
DimGray	#696969
DodgerBlue	#1E90FF
Feldspar	#D19275
FireBrick	#B22222

Table A-1. Color names (page 3 of 6)

Color Name	Hex Value
FloralWhite	#FFFAF0
ForestGreen	#228B22
Fuchsia	#FF00FF
Gainsboro	#DCDCDC
GhostWhite	#F8F8FF
Gold	#FFD700
GoldenRod	#DAA520
Gray	#808080
Green	#008000
GreenYellow	#ADFF2F
HoneyDew	#F0FFF0
HotPink	#FF69B4
IndianRed	#CD5C5C
Indigo	#4B0082
Ivory	#FFFFFF
Khaki	#F0E68C
Lavender	#E6E6FA
LavenderBlush	#FFF0F5
LawnGreen	#7CFC00
LemonChiffon	#FFFACD
LightBlue	#ADD8E6
LightCoral	#F08080
LightCyan	#E0FFFF
LightGoldenrodYellow	#FAFAD2
LightGrey	#D3D3D3
LightGreen	#90EE90
LightPink	#FFB6C1
LightSalmon	#FFA07A

Table A-1. Color names (page 4 of 6)

Color Name	Hex Value
LightSeaGreen	#20B2AA
LightSkyBlue	#87CEFA
LightSlateBlue	#8470FF
LightSlateGray	#778899
LightSteelBlue	#B0C4DE
LightYellow	#FFFFE0
Lime	#00FF00
LimeGreen	#32CD32
Linen	#FAF0E6
Magenta	#FF00FF
Maroon	#800000
MediumAquamarine	#66CDAA
MediumBlue	#0000CD
MediumOrchid	#BA55D3
MediumPurple	#9370D8
MediumSeaGreen	#3CB371
MediumSlateBlue	#7B68EE
MediumSpringGreen	#00FA9A
MediumTurquoise	#48D1CC
MediumVioletRed	#C71585
MidnightBlue	#191970
MintCream	#F5FFFA
MistyRose	#FFE4E1
Moccasin	#FFE4B5
NavajoWhite	#FFDEAD
Navy	#000080
OldLace	#FDF5E6
Olive	#808000

Table A-1. Color names (page 5 of 6)

Color Name	Hex Value
OliveDrab	#6B8E23
Orange	#FFA500
OrangeRed	#FF4500
Orchid	#DA70D6
PaleGoldenrod	#EEE8AA
PaleGreen	#98FB98
PaleTurquoise	#AFEEEE
PaleVioletRed	#D87093
PapayaWhip	#FFefd5
PeachPuff	#FFDAB9
Peru	#CD853F
Pink	#FFC0CB
Plum	#DDA0DD
PowderBlue	#B0E0E6
Purple	#800080
Red	#FF0000
RosyBrown	#BC8F8F
RoyalBlue	#4169E1
SaddleBrown	#8B4513
Salmon	#FA8072
SandyBrown	#F4A460
SeaGreen	#2E8B57
SeaShell	#FFF5EE
Sienna	#A0522D
Silver	#C0C0C0
SkyBlue	#87CEEB
SlateBlue	#6A5ACD
SlateGray	#708090

Table A-1. Color names (page 6 of 6)

Color Name	Hex Value
Snow	#FFFAFA
SpringGreen	#00FF7F
SteelBlue	#4682B4
Tan	#D2B48C
Teal	#008080
Thistle	#D8BFD8
Tomato	#FF6347
Turquoise	#40E0D0
Violet	#EE82EE
VioletRed	#D02090
Wheat	#F5DEB3
White	#FFFFFF
WhiteSmoke	#F5F5F5
Yellow	#FFFF00
YellowGreen	#9ACD32

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