

## Exercise instructions

### Preface

- Access your lab image by using the instructions that your instructor provides.



#### Substitution values

Use the following substitution values when you encounter them in the exercise instructions.

<wps\_home> is /opt/IBM/WebSphere/PortalServer

<was\_home> is /opt/IBM/WebSphere/AppServer

<wp\_profile> is /opt/IBM/WebSphere/wp\_profile

### Section 1: Verify that WebSphere Portal is started and log in

- \_\_ 1. Verify that WebSphere Portal is started.
  - \_\_ a. Open a terminal window and change directories to <wp\_profile>/bin.
  - \_\_ b. Enter the following command: `./serverStatus.sh -all -user wpsadmin -password IBMp0rtal`
  - \_\_ c. If WebSphere Portal is stopped, enter the following command: `./startServer.sh WebSphere_Portal`
  - \_\_ d. Wait until you see the message: "Server WebSphere\_Portal open for e-business"
- \_\_ 2. Log in to WebSphere Portal.
  - \_\_ a. Start a web browser and enter the following address:  
`http://portal00:10039/wps/portal`
  - \_\_ b. Enter `wpsadmin` for the user ID and `IBMp0rtal` for the password and click **Log in**.

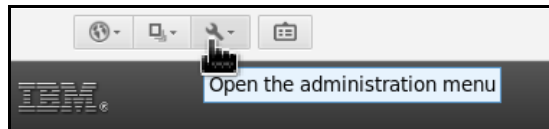
### Section 2: Validating the ability to apply rules to a portlet

The *Edit Layout* portlet has an attribute that controls the ability to apply rules to a portlet. This attribute is enabled by default. In this task, you explore where you apply a rule to a portlet or page. You also configure the rule mapping attribute of the *Edit Layout* portlet.

Validate the ability to apply rules to a portlet by completing the following steps.

\_\_\_ 1. Locate where to apply a rule to a page (you apply rules later in this exercise).

\_\_\_ a. Click the **Open the administration menu** link.



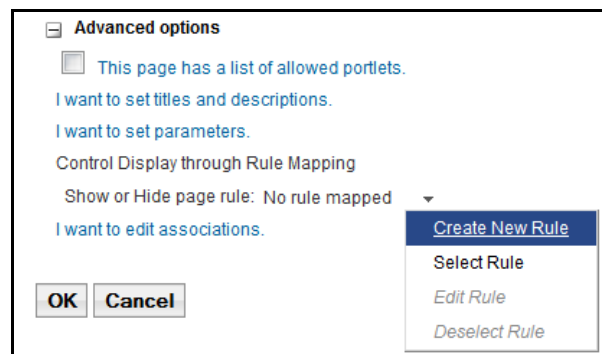
\_\_\_ b. Click **Portal User Interface > Manage Pages > Content Root > Home**.



\_\_\_ c. Click the **Edit Page Properties** icon (page icon) for the **Human Resources** page.

\_\_\_ d. Expand **Advanced Options**.

\_\_\_ e. Click the arrow next to **No rule mapped** to display the Personalization Rule Picker menu

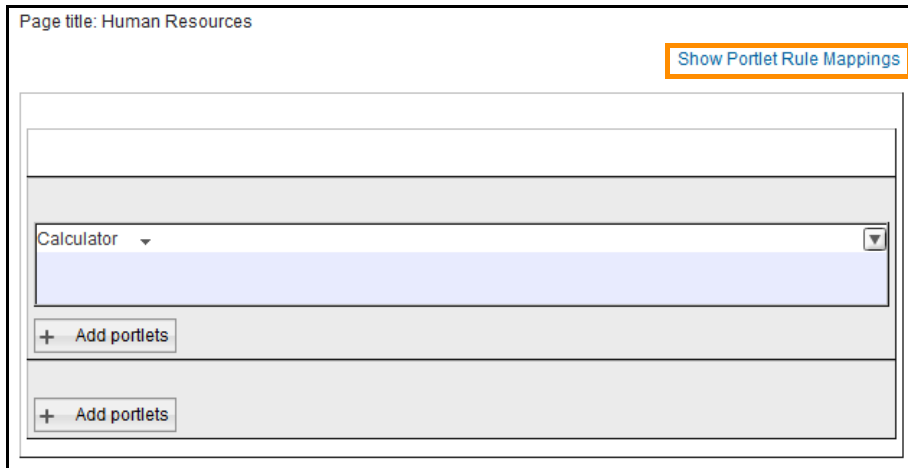


\_\_\_ f. Click **Cancel**.

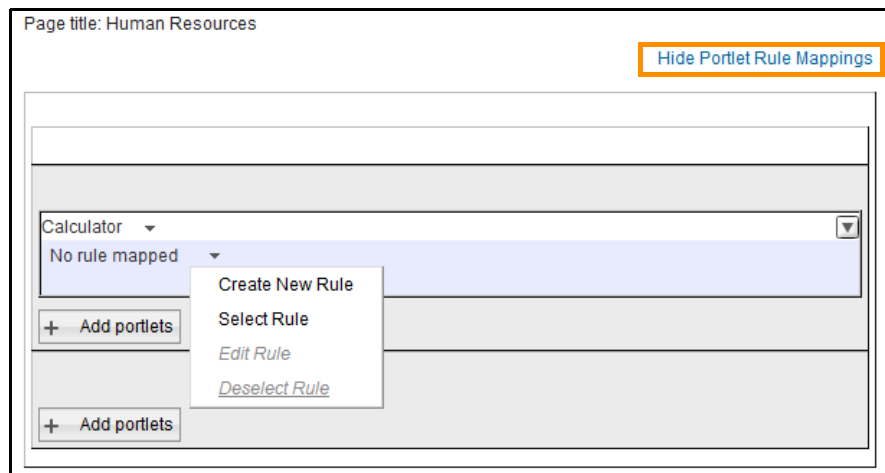
\_\_\_ 2. Locate where to apply a rule to a portlet.

\_\_\_ a. Click the **Edit Page Layout** icon (pencil icon) for the Human Resources page.

- \_\_\_ b. Click the **Show Portlet Rule Mappings** link. The Calculator Portlet is added separately as part of the exercise. Rules are applied to Calculator Portlet.



- \_\_\_ c. Click the arrow next to No rule mapped to display the Personalization Rule Picker menu.



- \_\_\_ d. Click **Hide Portlet Rule Mappings** to toggle back to Show Portlet Rule Mappings.
- \_\_\_ e. Click **Done**.
- \_\_\_ 3. Configure the rule mapping attribute of the Edit Layout portlet.
- \_\_\_ a. In the left navigation tree, click **Portlet Management > Portlets**.
- \_\_\_ b. In the Manage Portlets pane, for the Search field, enter **Edit Layout**. Click **Search**.

- \_\_\_ c. For Edit Layout, click the **Configure portlet** icon (wrench icon).

**Manage Portlets**

Search by: Title starts with Search: Edit Layout Search

**Portlets** Click Copy to create a duplicate of the portlet. Click Configure to set titles, descriptions and parameters. Click Delete to remove the portlet from your portal. Click Assign Access to allow others to work with the portlet.

Title	API Type	Unique name	Provided	Remote portlet	Status
Edit Layout	IBM API	wps.p.Content Layout			

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- \_\_\_ d. In the Parameter column, locate **showRuleMappingOption** (on page 2) and click the **Edit value** icon (pencil icon). The value is set to **Yes** by default.

**Manage Portlets**

**Configure portlet: Edit Layout**

Web module: contentlayout.war

**Parameters and Values** Enter a new parameter and value pair in the blank fields to create a new parameter for this portlet, or click Delete to remove a parameter and value. Click OK to keep your changes or Cancel to quit.

New parameter: New value: Add

Parameter	Value
checkWidthFilter	No
com.ibm.portal.resolver.icon	/com.ibm/wps/portlets/contentlayout/resources/icon.zip
helpjsp	WEB-INF/composer/contentLayout-Help.jsp
initializePortletList	true
maxItems	500
portletsPerPage	10
prohibitImplicitRedirect	true
showAdvancedOption	No
<b>showRuleMappingOption</b>	Yes
showSupportedMarkup	No

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- \_\_\_ e. Change the Value to **No** and click **OK**. Then, click **OK** again.
- \_\_\_ f. Click **Manage Pages** in the left navigation tree, and then click the **Edit Page Layout** for the Human Resources Page. Notice that the Show Portlet Rule Mapping link is no longer displayed. Click **Done**.
- \_\_\_ g. Under Portlet Management in the left navigation tree, click **Portlets**
- \_\_\_ h. For Edit Page Layout, click the **Configure portlet** icon (wrench icon).
- \_\_\_ i. For showRuleMappingOption, click the **Edit value** icon.

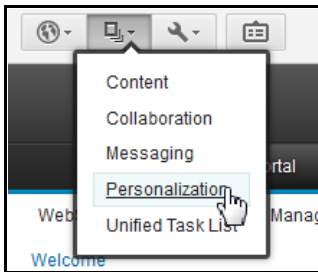
- \_\_ j. Change Value back to **Yes** and click **OK**. Then, click **OK** again.

### Section 3: Working with visibility rules

Visibility rules determine what content is visible to a targeted audience. In this section, you create, apply, and validate time-based visibility rules for a portlet and a page.

Create a visibility rule by completing these steps.

- \_\_ 1. Open the applications menu and click **Personalization**.



- \_\_ 2. Click the **Business Rules** tab. The Personalization Navigator and Editor are displayed.
- \_\_ 3. Click **New > Rule** and notice that the Personalization Editor expands.

Name	Type	Author	Last Modified
ManagedPagesVisibilityRule	Visibility Rule		March 10, 2014 at 9:30 AM
ToolBarApplicationObject	Application Object		March 10, 2014 at 9:29 AM
VanityURLVisibilityRule	Visibility Rule		February 26, 2014 at 8:02 AM

- \_\_ 4. Create rules in the Personalization Editor.
- \_\_ a. For the rule name, enter **DateBasedVisibilityRule**.

- \_\_ b. Click the **Rule Type** list, select **Visibility Rule**.

Personalization Editor

New Rule Preview

DateBasedVisibilityRule

Located in Workspace Root

Description

Rule Type Visibility Rule

Show page or portlet when  
attribute \* is value \*  
add Condition  
Otherwise hide

☐ String comparisons in this rule are case insensitive.

Save Cancel



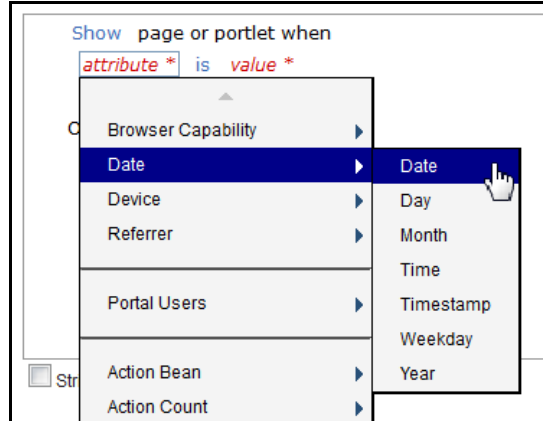
### Information

#### Visibility rules

Visibility rules allow pages and portlets to be hidden based on conditions that are expressed in a rule. Application values, user attributes, and other context information can be used to determine visibility.

In the New Rule editor that is shown in the screen capture, the **Show** link value in the phrase “Show page or portlet when” is displayed by default. You can change the value to Hide by clicking **Show**. Use the default value **Show** for this exercise.

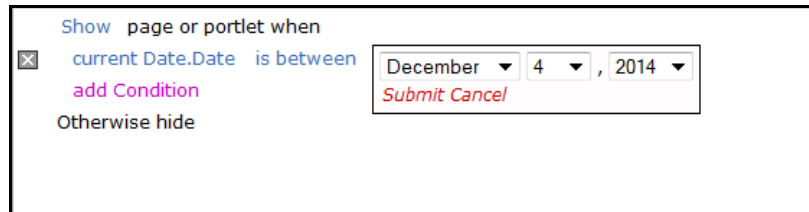
- \_\_\_ c. Click **attribute \***, and click **Data > Date**.



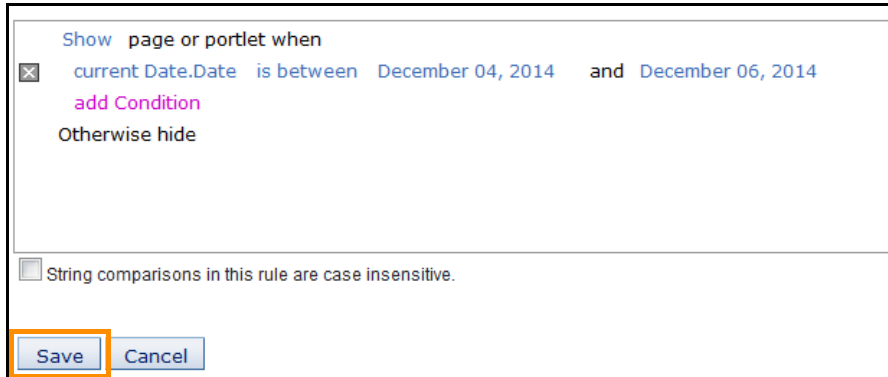
- \_\_\_ d. Click **is > is between**.

Two new options, **value \*** and **value \***, which are where you define your date range, are displayed after the “**is between**” option is selected.

- \_\_\_ e. Select the first **value \*** and enter the date for tomorrow. Then, click **Submit**.



- \_\_\_ f. Select the second **value \*** and enter the date for next Saturday. Then, click **Submit**.

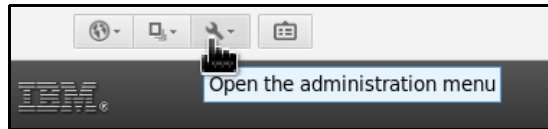


- \_\_\_ g. Click **Save**. The new rule is now added to the list in the Personalization Navigator.

## Applying the new rule to a portlet

Apply the new rule by completing the following steps.

- \_\_\_ 1. Click the Open the administration menu link.



- \_\_\_ 2. Click **Portal User Interface > Manage Pages**

- \_\_\_ 3. Click **Content root > Home**.

- \_\_\_ 4. Click the **Edit Page Layout** icon (pencil icon) for **Human Resources**.

- \_\_\_ 5. Click the **Show Portlet Rule Mappings** link.

- \_\_\_ 6. In the Edit Layout window, notice that **No rule mapped** is the default setting. Click **Personalization Rule Picker > Select Rule**.





- \_\_\_ 7. In the Personalization Picker window, select the **DateBasedVisibilityRule** check box from the Personalization Picker portlet and click **OK**.

Name	Author	Last Modified
<input checked="" type="checkbox"/> DateBasedVisibilityRule	wps admin	December 3, 2014 at 9:07 PM
<input type="checkbox"/> ManagedPagesVisibilityRule		March 10, 2014 at 9:30 AM
<input type="checkbox"/> VanityURLVisibilityRule		February 26, 2014 at 8:02 AM

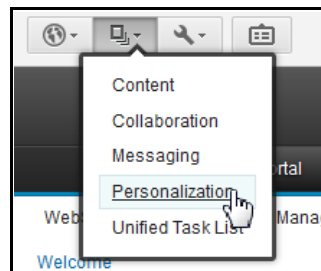
- \_\_\_ 8. Back in the Edit Layout window, notice that the **DateBasedVisibilityRule** is applied to the portlet. Click **Done**.



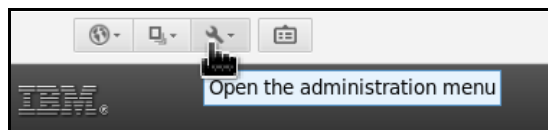
### Important

Visibility rules apply to everyone, even the administrator ID. The Calculator portlet must be hidden. Remember, by default, visibility rules are shown if the condition evaluates to true. In the following steps, you change the rule to show the portlet.

- \_\_\_ 9. Validate the new rule for different users.
- \_\_\_ a. Logout and log in with user ID `mjones`.
  - \_\_\_ b. Select the **Human Resources** page.
  - \_\_\_ c. Notice that the Calculator portlet is no longer visible for the user Mike Jones on the Human Resources page.
  - \_\_\_ d. Logout and log in with user ID `wpsadmin`.
  - \_\_\_ e. Select the **Human Resources** page. Notice that the Calculator portlet is no longer visible for the user `wpsadmin`.
- \_\_\_ 10. Modify the rule to make the Calculator portlet visible again.
- \_\_\_ a. Open the applications menu and click **Personalization**.



- \_\_\_ b. Click **Personalization > Business Rules**.
- \_\_\_ c. Select the **DateBasedVisibilityRule**. Click the **DateBasedVisibilityRule** link if needed to show the Personalization Editor.
- \_\_\_ d. Click **Edit** in the Personalization Editor.
- \_\_\_ e. Change the first date value to yesterday's date,
- \_\_\_ f. Be sure to click **Submit**, review the change, and then click **Save**.
- \_\_\_ g. Click the **Open the administration menu** link.

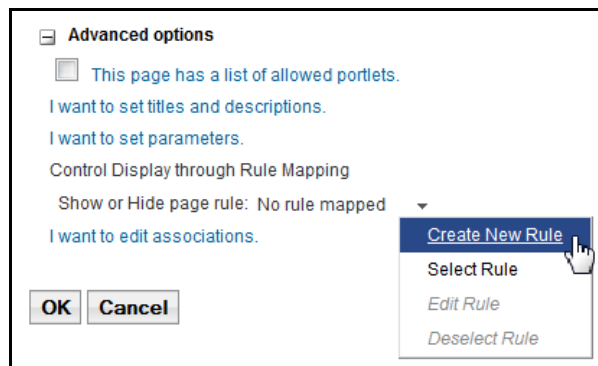


- \_\_\_ h. Click **Portal User Interface > Manage Pages > Content Root > Home**.
  - \_\_\_ i. For the Human Resources page, click the **Edit Page Layout** icon (pencil icon).
- \_\_\_ 11. Reapply the modified rule.
- \_\_\_ a. Click **Show Portlet Rule Mappings**
  - \_\_\_ b. Click **Personalization Rule Picker > Select Rule**.
  - \_\_\_ c. Make sure that the `DateBasedVisibilityRule` is selected, and click **OK**.
  - \_\_\_ d. Click **Done**.
- \_\_\_ 12. Open the site menu (globe), and click **Home**. Select the **Human Resources** tab. The Calculator portlet is now visible.

## Creating and applying a visibility rule to a page

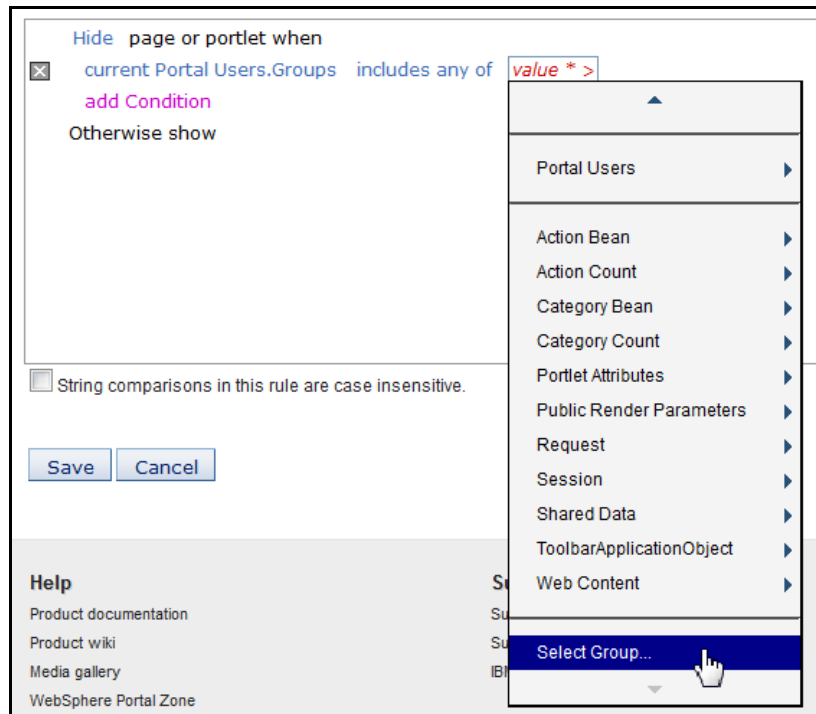
In the previous section, you created a visibility rule and applied it to a portlet on a particular page, the Human Resources page. In this section, you create and apply a visibility rule to the Payroll page.

- \_\_\_ 1. Click the **Open the administration menu** link, and click **Portal User Interface > Manage Pages**.
- \_\_\_ 2. Click **Content Root > Home > Human Resources**.
- \_\_\_ 3. Click **Edit Page Properties** icon (page icon) for the Payroll page.
- \_\_\_ 4. Expand **Advanced options**, click **Personalization Rule Picker > Create New Rule**. The Personalization Picker portlet opens, and it is automatically applied to the page when you save this rule.



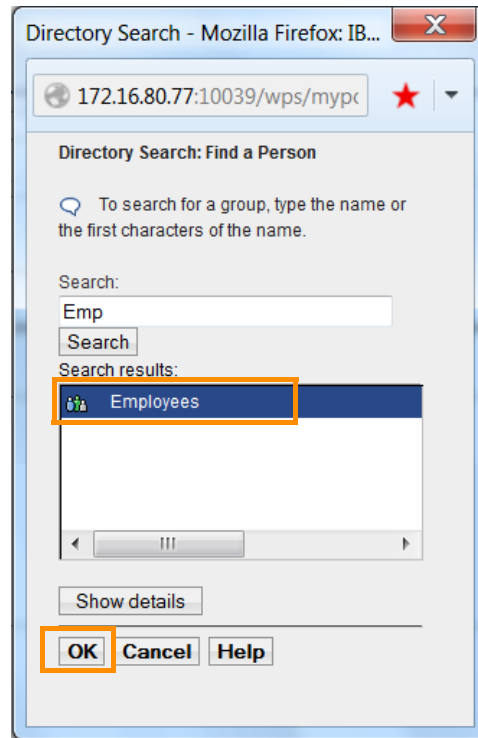
- \_\_\_ 5. In Personalization Picker, complete these steps.
  - \_\_\_ a. Enter the rule name **PayrollVisibilityRule**.
  - \_\_\_ b. Click "**Show** page or portlet when" and click **Hide**.
  - \_\_\_ c. Click **attribute\*** and click **Portal Users > Groups**.
  - \_\_\_ d. Click "**is**" and select "**includes any of**". You might need to scroll to select this parameter.

- \_\_\_ e. Hover your mouse over **value \*** and click the greater than (>) sign.

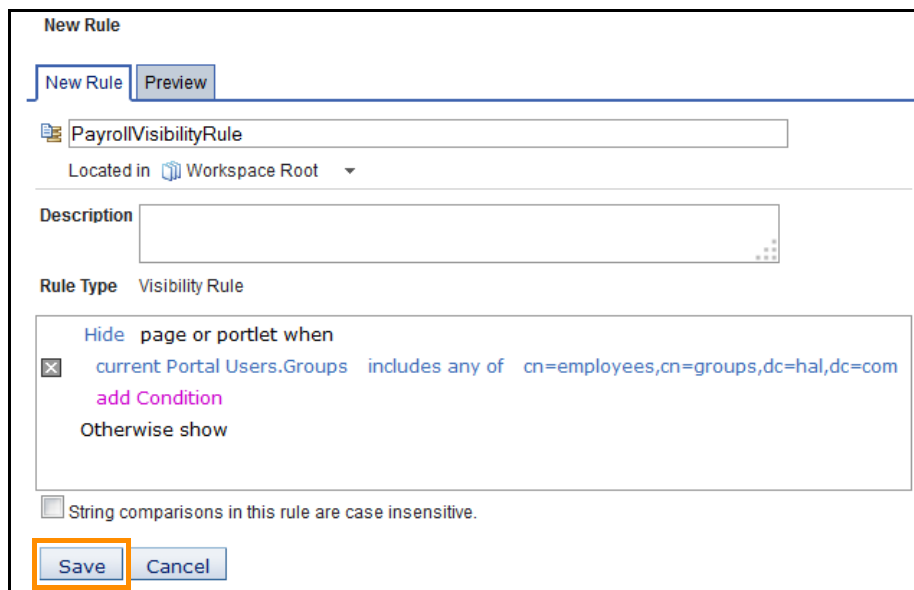


- \_\_\_ f. In the window that opens, you can see the available groups. You might have to allow your browser to open this window. The browser is accessing the LDAP Directory to enable the search for LDAP groups.

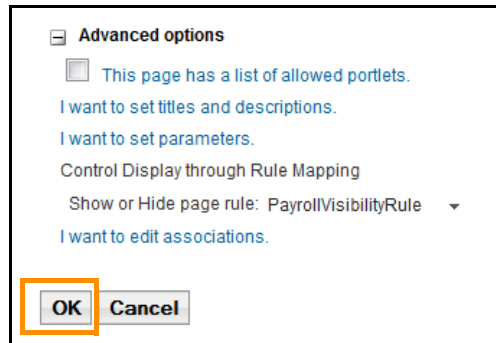
- \_\_\_ g. In the Search for field, type **Emp** and click **Search**.



- \_\_\_ h. Select the **Employees** group and click **OK**.
- \_\_\_ i. Your new rule looks as shown in the screen capture.



\_\_\_ j. Click **Save**. You return to the Edit page view.



Advanced options

☐ This page has a list of allowed portlets.

[I want to set titles and descriptions.](#)

[I want to set parameters.](#)

Control Display through Rule Mapping

Show or Hide page rule: PayrollVisibilityRule ▾

[I want to edit associations.](#)

**OK** **Cancel**

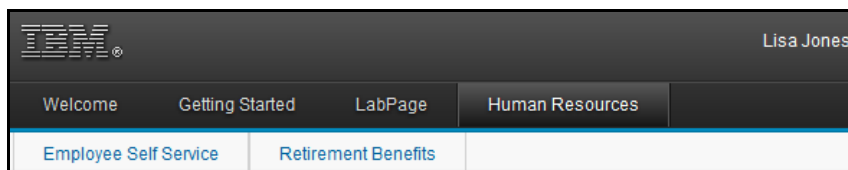
\_\_\_ k. Click **OK**.

\_\_\_ l. Log out as user ID wpsadmin.

\_\_\_ 6. Verify the new rule.

\_\_\_ a. Log in with user ID `lisa`.

\_\_\_ b. Click **Human Resources** and notice that the Payroll page is no longer visible.



\_\_\_ c. Click **Log out**, and close the browser.

## End of exercise