

Lab A (Module 7)



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Consider this scenario. Several users are doing searches and the results contain folders in addition to documents and web pages. The users are complaining that it is taking a lot of time to page through the results looking for documents and web pages that meet their search criteria. You have been asked to come up with a way to make it easier for users to identify content other than folders in their search results.

# Exercise 1: Create a Managed Property

The managed property can be used to help users filter search results to make it easier for them to identify relevant content.

## Task 1: Create a New Managed Property

1. Navigate to **Central Administration**.
2. Under **Application Management,** click the **Manage Service Applications** link.



1. Click the **Search Service Application** link.
2. In the left navigation panel, click the **Metadata Properties** link.
3. At the top of the page, click the **New Managed Property** link.



1. In the **Name and Type** section, type **DocumentType** in the **Property name** text box.
2. In the **Mappings to Crawled Properties** section, click the **Add Mapping** button.
3. In the **Crawled Property Selection** dialog, type **ows\_contenttype** in the **Crawled Property Name** text box, and then click the **Find** button.



1. In the **Select Crawled Property** list, select the **ows\_contenttype (Text)** crawled property, and then click the **OK** button.
2. Check the **Include values from a single crawled property based on the order specified** option.
3. In the **Optimize Managed Property Storage** section, check the **Reduce storage requirements for text properties by using a hash for comparison** option**.**
4. Click the **OK** button to finish.

## Task 2: Start a Full Crawl on the Content Source

1. Click the **Content Sources** link in the left navigation panel.
2. Hover your mouse above **the Local SharePoint sites** and click the **drop-down arrow.**



1. In the context menu, click **Start Full Crawl**.
2. After the full crawl is completed, the new managed property can be used in the Refinement Panel Web Part in the next exercise.

**Note:** Any time a managed property is created or changed, a full crawl must be executed to ensure that the managed property is applied consistently across all the content sources.

## Task 3: Issue an IISReset

1. In the Start menu, click **Run.**
2. In the open text box, type **cmd.**
3. At the command prompt, type **IISReset** and wait for the window to close.

**Note:** This is to refresh the managed properties cache.

# Exercise 2: Use a Managed Property in the Refinement Panel Web Part

The managed property can be added to the Refinement Web Part to help users filter search results. We start by adding a new refinement category to the web part. This is accomplished by creating and modifying XML and adding it to the Refinement Web Part’s configuration. When this is done, you will do a search and filter the results using the new managed property. You will observe how this can help users find what they are searching for.

The main tasks for this exercise are as follows:

1. Navigate to the search results page and open the Refinement Panel Web Part for editing.
2. Create and modify XML to add a new filter to the Refinement Panel Web Part.
3. Execute a search and use the new category filter.

## Task 1: Navigate to the Search Results Page and Open the Refinement Web Part for Editing

1. In your browser, navigate to <http://intranet.contoso.com>.
2. On the **Site Actions** menu, click **New Site.**
3. Select an Enterprise Search Center Site and enter Search for the URL and Title.
4. Click **Create.**
5. In your browser, navigate to the results page URL: <http://intranet.contoso.com/SearchPages/results.aspx>
6. On the **Site Actions** menu, click **Edit Page**.
7. In the Refinement Panel Web Part, hover your mouse over the upper right corner until a blue drop- down arrow displays. Click the drop-down arrow to display the **Web Part** menu, and then **Edit Web Part**. This opens the Web Part tool pane.



1. In the **Refinement** section, clear the **Use Default Configuration** check box.

Task 2: Create and modify xml to add a new filter to the Refinement Panel Web Part.

In the **Refinement** section, click on the **Filter Category Definition** textbox, and then click the ellipsis (…) button for the **Filter Category Definition field**. This opens the Text Entry window for the Refinement Panel Web Part’s **Filter CategoriesDefinition** property. 

1. Next, insert the XML snippet at the place noted in the previous illustration. This represents the new filter category using the managed property you created in Exercise 1.

**Category Xml:**

<Category **Title="Document Types"** Description="Different types of documents" Type="Microsoft.Office.Server.Search.WebControls.ManagedPropertyFilterGenerator" MetadataThreshold="5" NumberOfFiltersToDisplay="4" MaxNumberOfFilters="20" SortBy="Frequency" SortByForMoreFilters="Name" SortDirection="Descending" SortDirectionForMoreFilters="Ascending" ShowMoreLink="True" **MappedProperty="DocumentType"** MoreLinkText="show more" LessLinkText="show fewer" />

**Note: The Title attribute will be the title displayed for the category in the Refinement Panel. The MappedProperty attribute is the managed property you created.**

1. Click the **OK** button of the Text Entry window.
2. Click the **OK** button of the Refinement Panel Web Part’s tool pane.
3. In the **Page** section of the **Ribbon,** click the **Save & Close** button.

## Task 3: Execute a Search and Use the New Category Filter

1. In your browser, navigate to your home page of your site URL: [http://intranet.contoso.com/Search/](http://SiteURL)
2. In the search box, on the home page, type **Document**.
3. Click the **Magnifying Glass** icon to execute a search.
4. In the search results page, the Refinement Panel displays on the left. Click a different **Document Types** category, specifically **Wiki Page**.

Observe that when you click on a Document Type category, the search results are filtered to show just results of that category. This helps the user narrow the results, making easier to browse.

# Lab A - Summary



In this lab, you created a new managed property mapped to the ows\_contenttype crawled property. After you completed a full crawl, you were able to add a new filter category to the Refinement Panel Web Part. This category enables users to filter the search results by an item’s content type. The user is then able to filter out the folder content type and make it easier for the user to find relevant content.