

In this Tivoli[®] Application Dependency Discovery Manager V7.2.1 training module, you learn how to modify a predefined built-in BIRT report to provide filtering by location tag.

	IBM
Assumptions	
 The Location Tag feature and servers are configured Version is TADDM V7.2.1 Fix Pack 3 or higher 	
 Objects that are stored in the discovery database include the LocationTag attribute (string) 	
 BIRT RCP Report Designer revision installation for TADDM V7.2.1 is correct TADDM includes the open source BIRT runtime engine TADDM includes hundreds of predefined database views and predefined reports BIRT designer tool matches the version of the BIRT runtime engine (versions 2.2.1 o 2.2.2) 	or
For more information about the BIRT project, including how to download the BIRT des tool, go to the following website:	igner
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2 Modifying a predefined BIRT report to accommodate filtering by location tag © 2013 IBM	Corporation

These assumptions are made. You configured the Location Tag feature and discovered the servers. You installed TADDM V7.2.1 Fix Pack 3. It contains the functions that are necessary for tagging objects to have them grouped by location. After enabling location tagging, you successfully verified that each object stored in the discovery database includes the LocationTag attribute (string). You verified the correct BIRT RCP Report Designer 2.2.1 or 2.2.2 installation.

TADDM includes the open source BIRT runtime engine as an integrated component. In addition, TADDM includes hundreds of predefined database views and predefined reports. Remember that you can also use the BIRT designer tool to create new reports to use with the TADDM BIRT runtime engine. In this training module, you use a filed name TADDM_server as a LocationTag string.

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Objectives	
After completing this training, you can accomplish these tasks:	
 Create BIRT report filtering by location tag 	
 Modify BIRT report filtering by location tag 	
 Verify the revision number of the BIRT RCP Report Designer 	
 Download and install the BIRT RCP Report Designer 	
 Add new parameters to a standard predefined BIRT report 	
 Add new columns to a standard predefined BIRT report 	
 View BIRT report output 	
3 Modifying a predefined BIRT report to accommodate filtering by location tag	© 2013 IBM Corporation

After completing this training, you can accomplish these tasks:

- Create BIRT report filtering by location tag
- Modify BIRT report filtering by location tag
- Check the revision number of the BIRT RCP Report Designer
- Download and install the BIRT RCP Report Designer
- Add new parameters to a standard predefined BIRT report
- Add new columns to a standard predefined BIRT report
- View BIRT report output



Check for the correct version number of the BIRT RCP Report Designer. You must install the BIRT RCP Report Designer version that matches the version of the BIRT runtime engine that is included with TADDM V7.2.1. Look for either BIRT RCP Report Designer version 2.2.1 or version 2.2.2 for usage with TADDM V7.2.1.

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To obtain a download of BIRT RCP Report Designer V2.2.1, you must go to the www.eclipse.org archive and perform these steps:

- 1. Locate **birt-rcp-report-framework-2_2_1.zip** (md5).
- 2. Download the file by clicking the link.
- 3. Extract the file on your computer.
- 4. Double-click the .exe file to start the installation.

After the installation completes, you can use the BIRT RCP Report Designer.

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Logging in to the Data Management portal	
Log in to the TADDM Data Management portal	
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Predefined reports are reports that are included with TADDM V7.2.1. None of the predefined reports can use location tags for BIRT Report filtering without modification to these predefined reports. To support filtering by location tag in one of the predefined reports, you need to manually modify that predefined report. In this module, you learn to modify a predefined report.

First, you log in to the Data Management portal to begin the modification procedure. After entering an authorized user name and password, you click the **Login** button.

selecting a pi	redefined BIRT report	
You must filter the	e location tag by manually modifying the	reports configuration; predefined
BIRT reports do r	not use the location tag feature by defaul	1 3 1
· Click Analytic	s > BIRT Reports	
 Select one of 	the available BIRT reports, and click the	e Download button
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To modify a predefined report to filter by location tag, you must make two changes:

- Change the Query to TADDM DB to add a LocationTag field

- Change BIRT report layout to add a new column to contain or display the LocationTag field or value

To modify the predefined report, you perform these steps:

1. Open the Analytics drop-down menu, and click the BIRT Reports icon.

2. Click to highlight one of the reports in the BIRT Reports section. On this slide, the BIRT report named TADDM_INVENTORY is highlighted. This is one of the standard predefined BIRT reports that comes with TADDM V7.2.1.

3. Click the Download button to download TADDM_INVENTORY.

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Open the downloaded BIRT report file in the BIRT RCP Report Designer. Here, you see the stored **taddm_inventory.rptdesign** file before it is opened in the BIRT RCP Report Designer.

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Adding a new paran	neter to a standard predefined BIRT report	
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Perform these steps to add	a new parameter to the downloaded BIRT report file:	
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Modify the downloaded predefined report file, taddm_inventory.rptdesign.

- 1. Click the BIRT RCP Report Designer **Data** button.
- 2. Right-click **Report Parameters**, and click **New Parameter**.

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Now that the New Parameter panel is open, you add a new parameter to the **taddm_inventory.rptdesign** file for location tags. Type **locationTag** in the **Name** field, and click the **OK** button.

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Expand the Data Sets list. Right-click FileSystemSet, and click Edit.



1. Click **Query**, and modify the query. In the SELECT section, change the TADDM Database LOCATIONTAG_C from the BB_COMPUTERSYSTEM40_V view, like A1.LOCATIONTAG_C as LOCATIONTAG.

2. In the last line, add a "WHERE ... <*table*>.<*locationTagAttribute*> = ?" statement, like WHERE LOCATIONTAG_C = ?

3. Click **OK**.



1. Ensure that you are in the Data Sets list.

2. From FileSystemSet, verify that you are on the Edit Data Set – FileSystemSet panel. Click **Parameters**.

3. Click the **New** button. The New Parameter window opens.

4. In the Linked To Report Parameter list, select **locationTag**. Remember that locationTag is the new parameter that you are creating. Now, you are linking that parameter.

5. Click OK.

6. Click the Edit Data Set – FileSystemSet **OK** button to close that panel.

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You now add a new column to the default layout. Start from the window where you can see the default columns of the **rtpdesign** file. Add a new column that contains the **locationtag** value by copying an existing file that contains the value. In this example, OS_NAME is an existing column that contains the **locationtag** value.

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Select the entire column containing OS_NAME. Right-click and select Copy.



Select Insert Copied Column.

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You can see that the field OS_NAME is duplicated. Select the duplicated field. In the bottom part of window, select **Properties > Advanced**. Change Content from OS_NAME to LOCATIONTAG, and change Content Key from taddm_compsysbyType_osname to taddm_compsysbyType_locationtag.



In this example, you see how the column addition opens after the change. Note that in the upper part, the copied OS_NAME column is changed to LOCATION_TAG. Content and Content Key are also changed.



Select **OS_NAME**. Right-click and select **Change Data Column** from the menu.



Clear the **OS_NAME** check box on the Select Data Binding window. Click **Add**.

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1 Modifying	a predefined BIRT report to accommodate filtering by location tag	© 2013 IBM Corpora

Perform these four steps:

- 1. Click Available Data Sets.
- 2. Click FileSystemSet.

3. Double-click **LOCATIONTAG**. You can see in the upper part that dataSetRow is set to **LOCATIONTAG**.

4. Click OK.

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You need to bind new data now. Observe the Expression entry on the New Data Binding window and click **OK**.

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Notice **LocationTagColumn** is added in the name column. Select it, and then click **OK**. You completed steps to add the **LocationTag** field to a BIRT report.

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You can save this new BIRT report as a renamed file. In this example, you might save the new BIRT report file as c:\temp\taddm_inventory_location_IEA.rptdesign. From the BIRT RCP Report Designer menu, click File > Save As and name your new BIRT report.

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Return to the TADDM Data Portal Management GUI. Create the new report by importing taddm_inventory_location_IEA.rptdesign.

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Add the report as Inventory Location Tag, and browse to C:\TEMP to upload taddm_inventory_location_IEA.rptdesign.

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You can see that the report named **Inventory Location Tag** is added. By typing the TADDM server string in the Location Tag input field, you can run the report.

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This example is the output that contains the list of servers that are filtered by TADDM_server LOCATION_TAG.



Now that you have completed this training, you can complete the tasks, as shown on this slide.

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