

## Lab 15: Working with the SQL Template Designer

---

In this lab, you use the SQL Template Designer to create, format and share a SQL template.

### Lab Exercises


This lab includes the following exercises:

- [Exercise A: Creating a SQL Template](#)
- [Exercise B: Formatting the SQL Template Output](#)
- [Exercise C: Saving and Sharing Report Templates](#)

⚠ It is recommended to use **Google Chrome** to perform the lab exercises. After launching the lab, zoom out the lab browser window to 80% to fit the APTARE Portal interface and view all the tabs within the window.

## Exercise A: Creating a SQL Template

In this exercise, you create a new SQL template.

- ☐ 1. Sign in to the  **console** system using the credentials provided below.

Username:

Password:

- ☐ 2. Locate and double-click the **Aptare Portal** shortcut, located on the desktop of the **console.example.com** system, to launch the APTARE IT Analytics Portal.
- ☐ 3. When the APTARE IT Analytics Portal Sign-in page is displayed, Sign-in using the below credentials.

Username

Password

- ☐ 4. In the APTARE IT Analytics Portal, navigate to **Reports**.
- ☐ 5. In the **Reports Navigation Panel**, right-click the **APT106ADM\_L15** folder and in the resulting menu select **New SQL Template**. The **SQL Template Designer** window is displayed.

## Configure SQL Template Scope Selector Components

- ☐ 6. In the **SQL Template Designer** window, select **Date range** and click **Configure**.
- ☐ 7. In the **Date range** dialog box that is displayed, select **Last 5 years** in the **Default Time Period** drop-down and **No** in the **Display the time** drop-down list.
- ☐ 8. In the **Date range** dialog box, click **OK** to return to the **SQL Template Designer** window.
- ☐ 9. In the **SQL Template Designer** window, select **Host groups and client scope** and click **Configure**. The **Host groups and client scope** dialog box is displayed.
- ☐ 10. In the **Host groups and client scope** dialog box, select **No** in the **Hide cascade** drop-down and **Checked** in the **Default cascade value** drop-down list.
- ☐ 11. In the **Host groups and client scope** dialog box, click **OK** to return to the **SQL Template Designer** window.
- ☐ 12. In the **SQL Template Designer** window, click **Next**. The **Query** tab is selected and displayed.

## Constructing the SQL Query

- ☐ 13. In the **SQL Template Designer** window under the **Query** tab, paste the following query in the **Enter the query that will ...** field.

```
SELECT apt_v_job.job_id,apt_v_job.client_id, apt_v_job.client_name, apt_v_job.server_id,  
apt_v_job.server_name, apt_v_job.start_date,apt_v_job.vendor_state_name,  
apt_v_job.vendor_status_name FROM apt_v_job WHERE apt_v_job.summary_status = 2 --Failed  
jobs AND apt_v_job.start_date > ${startDate} AND apt_v_job.start_date < ${endDate} AND  
apt_v_job.client_id IN (${hosts})
```

The above query retrieves information about all failed jobs from the **apt\_v\_job** table.

- ☐ 14. In the **SQL Template Designer** window under the **Query** tab, click **Validate Query**.

The **query evaluated successfully** message is displayed if the query executes successfully.


- ☐ 15. In the **SQL Template Designer** window, click **Next**. The **Formatting** tab is selected and displayed.

[Go to Lab Exercises](#)

## Exercise B: Formatting the SQL Template Output

In this exercise, you format the SQL Template output.

- ☐ 1. In the **SQL Template Designer** window under the **Formatting** tab, deselect the **job\_id**, **client\_id**, **server\_id**, and **vendor\_state\_name** fields.

 The **Move Up** and **Move Down** buttons can be used to rearrange the fields if required.

- ☐ 2. In the **SQL Template Designer** window under the **Formatting** tab, select **Table** in the **Display the report as a** drop-down list.
- ☐ 3. In the **SQL Template Designer** window under the **Formatting** tab, select the **client\_name** field and click **Formatting**. The **Field Formatting** dialog box is displayed.
- ☐ 4. In the **Field Formatting** dialog box, select **Center** in the **Alignment** field and click **OK** to return to the **SQL Template Designer** window.

Repeat the above steps 4 and 5 for the **server\_name**, **start\_date**, and the **vendor\_status\_name** fields.

- ☐ 5. In the **SQL Template Designer** window under the **Formatting** tab, click **Next**. The **Save & Share** tab is selected and displayed.
- ☐ 6. In the **Save the report with the name** type the report name T **APT106ADM\_Failed\_Jobs**.
- ☐ 7. Select **APT106ADM\_L15** in the drop-down list of **Select the folder to place the report**.
- ☐ 8. Click **Finish** to close the **SQL Template Designer** window.
- ☐ 9. In the **Reports** view panel, double-click the **APT106ADM\_Failed\_Jobs** report. The **APT106ADM\_Failed\_Jobs Scope Selector** dialog box is displayed.
- ☐ 10. In the **APT106ADM\_Failed\_Jobs Scope Selector** dialog box, note that the **Time Period** drop-down has a default value of **Last 5 years**. Also, note that the **Cascade into sub-groups** option is available and is checked by default.
- ☐ 11. Change the **Select report scope**. To change the scope, click **Modify**. Expand **Hosts>Host Groups>Global>APTARE>APT106ADM>Backup Servers**. Double click **nbmaster1.example.com**. You will get a new entry in **In scope**. Remove **Host Group = Global** from the **In scope**.
- ☐ 12. Click **Ok** to close the **Report Scope Selector** window.
- ☐ 13. Click **Generate** without making any other changes.

The contents of the **APT106ADM\_Failed\_Jobs** report is displayed in a new tab. The report displays a list of all the failed backup jobs for **nbmaster1.example.com** in the last 5 years.

Note that the **Client Name**, **Server Name**, **Job Start Date**, and **Status fields** are visible. Also, note that all the fields are center aligned.

- ☐ 14. Close the **APT106ADM\_Failed\_Jobs** tab.



15. In the **Reports** view panel, select the **APT106ADM\_Failed\_Jobs** report and click **Customize**. The **SQL Template Designer** window is displayed.

☐ 16. In the **SQL Template Designer** window, click the **Formatting** tab.

☐ 17. Select the **Client Name** field and click **Advanced**.

☐ 18. In the **Advanced** window that is displayed, paste the following query in the **Drilldown** field.


 `systemName=displayServerDetail&serverId=${row['client_id'].data}`

☐ 19. Click **OK** to return to the **SQL Template Designer** window.

☐ 20. Select the **Server Name** field and click **Advanced**.

☐ 21. In the **Advanced** window that is displayed, paste the following query in the **Drilldown** field.

 `systemName=displayServerDetail&serverId=${row['client_id'].data}`

 The above step links the **Host Details** report to the data in the **Client Name** and **Server Name** columns.

☐ 22. Click **OK** to return to the **SQL Template Designer** window.

☐ 23. In the **SQL Template Designer** window, click the **Save & Share** tab.

☐ 24. In the **SQL Template Designer** window under the **Save & Share** tab, click **Finish** without making any changes.

☐ 25. In the **Reports** view panel, double-click the **APT106ADM\_Failed\_Jobs** report. The **APT106ADM\_Failed\_Jobs Scope Selector** dialog box is displayed.

☐ 26. In the **APT106ADM\_Failed\_Jobs Scope Selector** dialog box, Change the report scope. click **Modify**. Expand **Hosts>Host Groups>Global>APTARE>APT106ADM>Backup Servers**. Double-click **nbmaster1.example.com**. You will get a new entry in In scope. Remove **Host Group = Global** from the **In scope**.

☐ 27. Click **Generate** without making any other changes.

The contents of the APT106ADM\_Failed\_Jobs report are displayed in a new tab.

Note the drill-down links in the **Client Name** and **Server Name** columns. Clicking on these links will display the **Host Details** in a new tab.

☐ 28. Close the **APT106ADM\_Failed\_Jobs** tab and the **Host Details** tab.

☐ 29. In the **Reports** view panel, select the **APT106ADM\_Failed\_Jobs** report and click **Customize**. The **SQL Template Designer** window is displayed.

[Go to Lab Exercises](#)

## Exercise C: Saving and Sharing Report Templates


In this exercise, you save, share report templates.


- ☐ 1. In the **SQL Template Designer** window, click the **Save & Share** tab.
- ☐ 2. In the **SQL Template Designer** window under the **Save & Share** tab, verify that **APT106ADM\_Failed\_Jobs** is displayed in the **Save the report with the name** and **Short description** fields.

 As opposed to the **Dynamic Template Designer**, the **Short** and **Long** description fields in the **SQL Template Designer** are optional.

## Assigning the Inventory Report Configuration

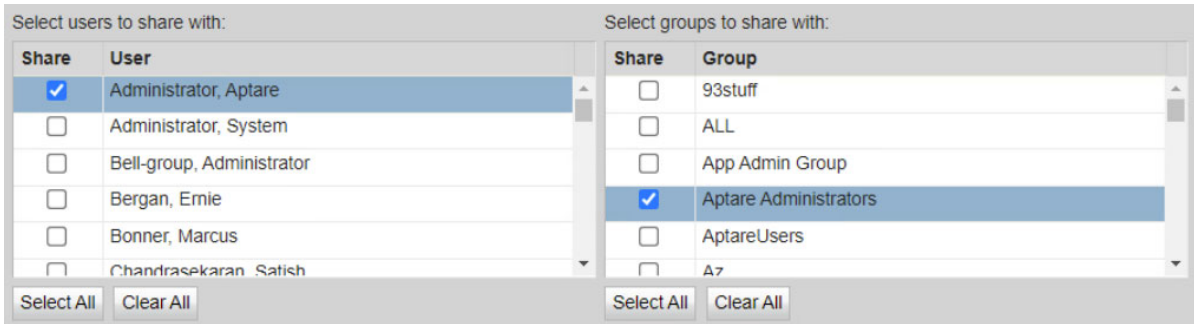
- ☐ 3. Select **Backup Server** in the **Inventory Object Type** drop-down and **Veritas NetBackup** in the **Subsystem(s)** list.
- ☐ 4. Select **Backup** in the **Report Category** drop-down list.

 If a category is not selected, the templates are displayed under the heading **Uncategorized**.

 SQL Templates categorized for **Backup Servers** and specific **Subsystems** are displayed only for the groups of that subsystem and individual servers of that subsystem.

## Sharing the template with users and user groups

- ☐ 5. As illustrated in the figure below, share the template with the **Aptare** user and the **Aptare Administrators** group.



The screenshot shows a 'Share' dialog box with two panels: 'Select users to share with:' and 'Select groups to share with:'. Both panels have a table with 'Share' and 'Name' columns. In the users panel, 'Administrator, Aptare' is selected. In the groups panel, 'Aptare Administrators' is selected.

Share	User
<input checked="" type="checkbox"/>	Administrator, Aptare
<input type="checkbox"/>	Administrator, System
<input type="checkbox"/>	Bell-group, Administrator
<input type="checkbox"/>	Bergan, Ernie
<input type="checkbox"/>	Bonner, Marcus
<input type="checkbox"/>	Chandrasekaran, Satish

Share	Group
<input type="checkbox"/>	93stuff
<input type="checkbox"/>	ALL
<input type="checkbox"/>	App Admin Group
<input checked="" type="checkbox"/>	Aptare Administrators
<input type="checkbox"/>	AptareUsers
<input type="checkbox"/>	A7

- ☐ 6. Click **Finish** to save and share the report template.  
You are returned to the **Reports** page.
- ☐ 7. In the APTARE IT Analytics Portal, click **System Administrator > Log Out** to log out of the APTARE IT Analytics Portal.
- ☐ 8. Close the **Google Chrome** browser window and log out of the **console.example.com** system.

**End of Lab**