

How To: Unified Chargeback

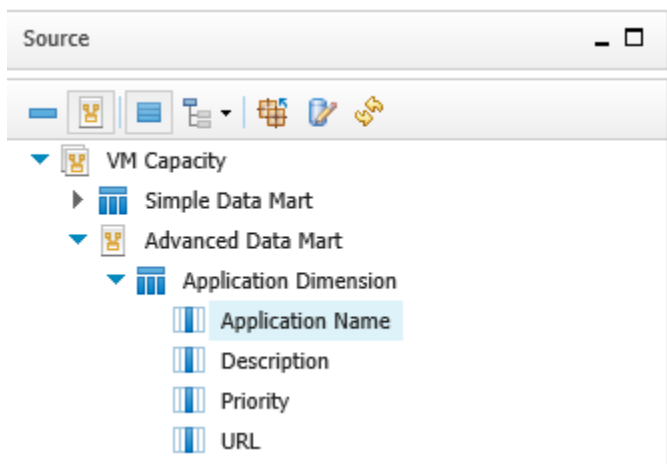
Abstract: This report is created using the “Chargeback” and “VM Capacity” data models and teaches how to combine the two data marts into a single chargeback report.

Output

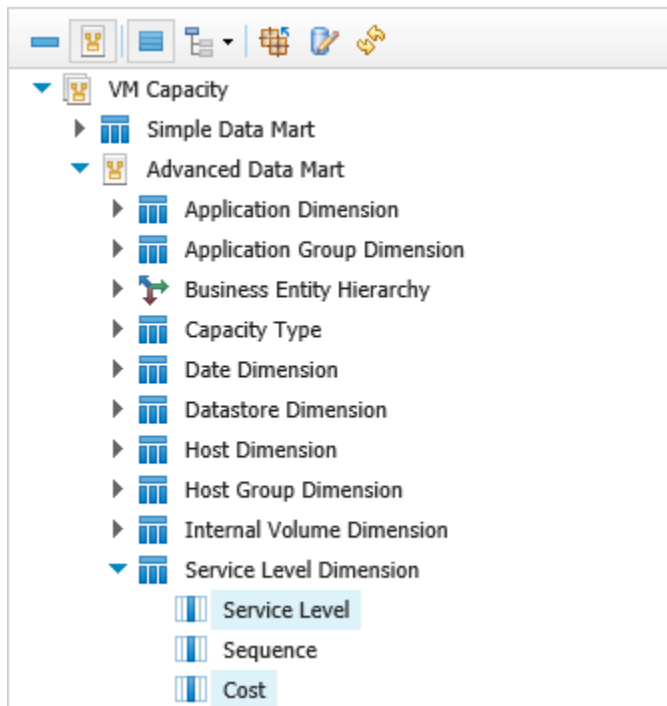
Application	Service Level	Cost	Provisioned Capacity GB	Provisioned Cost
Aceva	Tier 1	\$0.93	4,112.00	\$3,824.16
	Tier 2	\$0.85	1,522.00	\$1,293.70
	Tier 3	\$0.48	50.00	\$24.00
Aceva - Total			5,684.00	\$5,141.86
Agile	Tier 3	\$0.48	240.00	\$115.20
Agile - Total			240.00	\$115.20
ALM Quality Center (QC)	N/A		536.00	
ALM Quality Center (QC) - Total			536.00	
AP Imaging	N/A		5,375.00	
	Tier 1	\$0.93	3,385.00	\$3,148.05
AP Imaging - Total			8,760.00	\$3,148.05
Arcsight	N/A		94,425.42	
Arcsight - Total			94,425.42	
ASUP DW3	N/A		173,003.00	
ASUP DW3 - Total			173,003.00	
ASUP NEXT Ecosystem	N/A		4,326,555.14	
	Tier 1	\$0.93	46,331.00	\$43,087.83
	Tier 3	\$0.48	591,900.00	\$284,112.00
ASUP NEXT Ecosystem - Total			4,964,786.14	\$327,199.83
ASUP Reporting Clusters	N/A		83,979.59	
	Tier 1	\$0.93	2,923.23	\$2,718.60
ASUP Reporting Clusters - Total			86,902.82	\$2,718.60
BA DW - Enterprise Data Hub	N/A		54,253.14	
BA DW - Enterprise Data Hub - Total			54,253.14	
BA- BI	N/A		621,327.00	
	Tier 3	\$0.48	9,256.00	\$4,442.88
BA- BI - Total			630,583.00	\$4,442.88
BA- BI Application	N/A		61,272.79	
	Tier 1	\$0.93	300.00	\$279.00
BA- BI Application - Total			61,572.79	\$279.00
Clear Sight	Tier 1	\$0.93	1,900.00	\$1,767.00
Clear Sight - Total			1,900.00	\$1,767.00

Steps to Create this Report

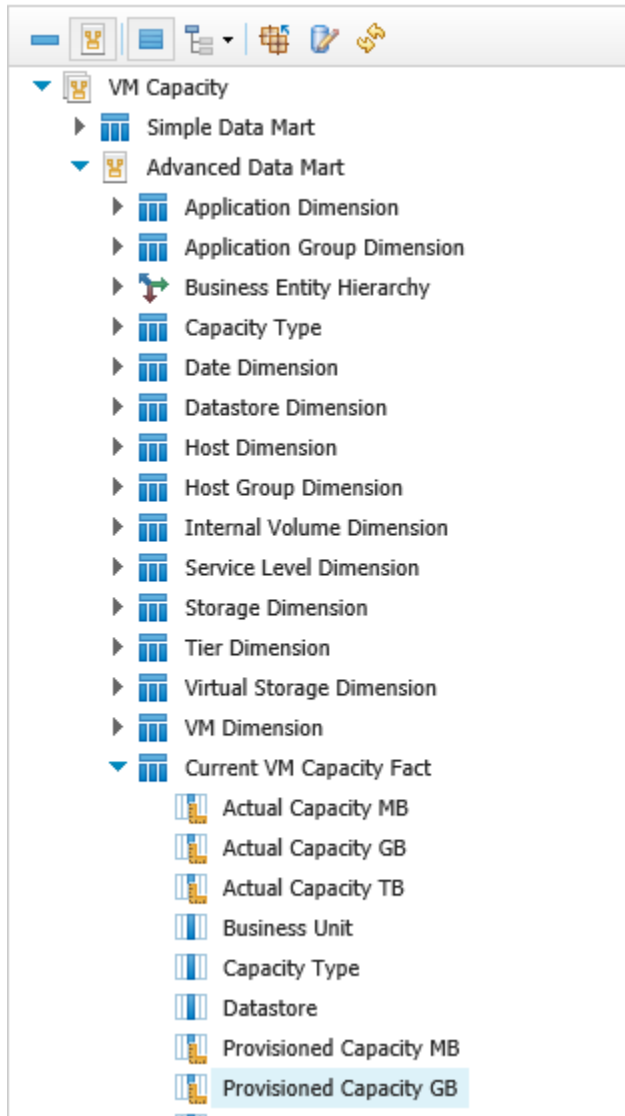
1. Access the OnCommand Insight Reporting Portal
2. From the Launch menu (upper right corner), select **Report Studio**
3. From the list of packages in the **Packages** folder, select **VM Capacity**
4. On Report Studio landing page, select **Create New**
5. From the pre-defined report layouts, choose **List** and click **OK**
6. Expand the **Advanced Data Mart**, **Application Dimension**, and drag **Application Name** into the list



7. Expand **Service Level Dimension** and drag **Service Level** and **Cost** into the list



8. Expand **Current VM Capacity Fact** and drag **Provisioned Capacity GB** into the list



9. Create a custom calculation by selecting **Cost** and **Provisioned Capacity GB**, right-clicking on the list, hovering over **Calculation** and **Cost * Provisioned Capacity GB**

Application Name	Service Level	Cost	Provisioned Capacity GB
<Application Name>	<Service Level>	<Cost>	<Provisioned Capacity GB>
<Application Name>	<Service Level>	<Cost>	<Provisioned Capacity GB>
<Application Name>	<Service Level>	<Cost>	<Provisioned Capacity GB>

Calculate

Style

Go to Query

Cut

Copy

Paste

Paste To...

Delete

Cost + Provisioned Capacity GB

Cost - Provisioned Capacity GB

Cost * Provisioned Capacity GB

Cost / Provisioned Capacity GB

% (Cost, Provisioned Capacity GB)

% Difference (Cost, Provisioned Capacity GB)

Custom...

10. Rename the new **Cost * Provisioned Capacity GB** column to **Provisioned Cost** by right-clicking on the header, selecting **Edit Data Item Label**, and renaming the **Data item name:** to “Provisioned Cost”

Cost * Provisioned Capacity GB
<Cost * Provisioned Capacity GB>
<Cost * Provisioned Capacity GB>
<Cost * Provisioned Capacity GB>

Data Item Label

Help

Data item name:

Provisioned Cost

Data item label:

Information:

Data item name represents the name of the data item in the query. It is the label seen when viewing or editing expressions.

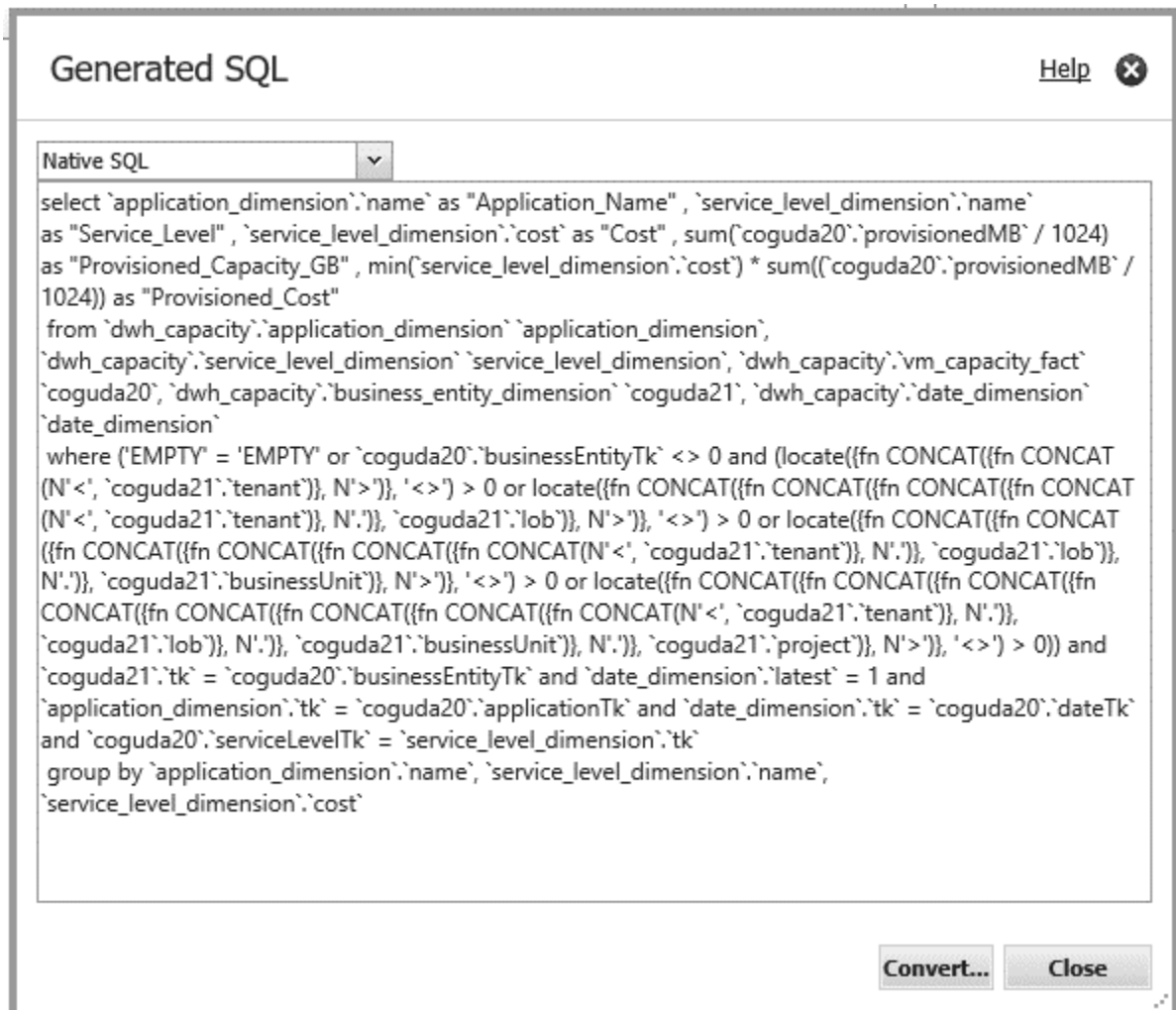
Data item label represents the label that is seen in the report output. If no label is specified then a default label will be displayed. This may be the data item name in some cases, but not always.

OK

Cancel

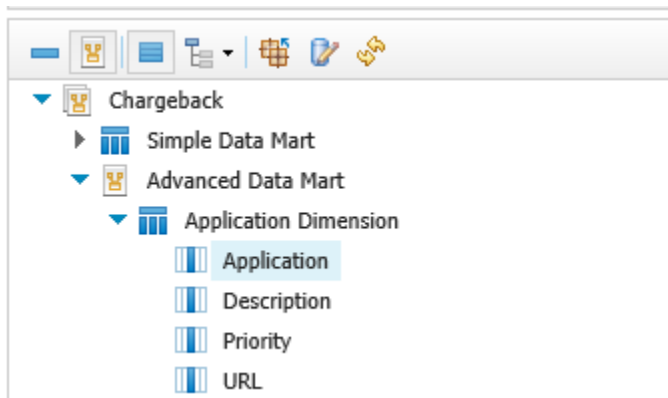
11. Right-click on any of the columns and select **Go to Query**

12. Under **Properties – Query**, select **Generated SQL** and copy and paste the generated native SQL into a Notepad

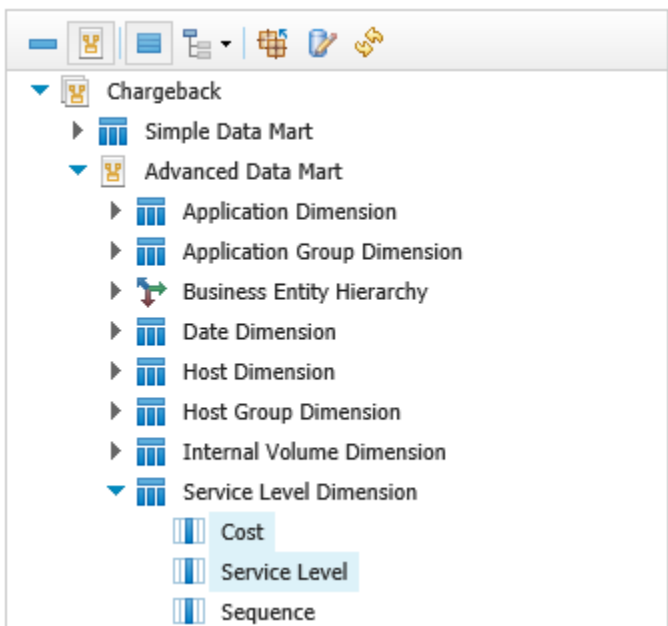


13. From the Launch menu on the OnCommand Insight Reporting Portal, create another **Report Studio** instance
14. From the list of packages in the **Packages** folder, select **Chargeback**
15. On Report Studio landing page, select **Create New**
16. From the pre-defined report layouts, choose **List** and click **OK**

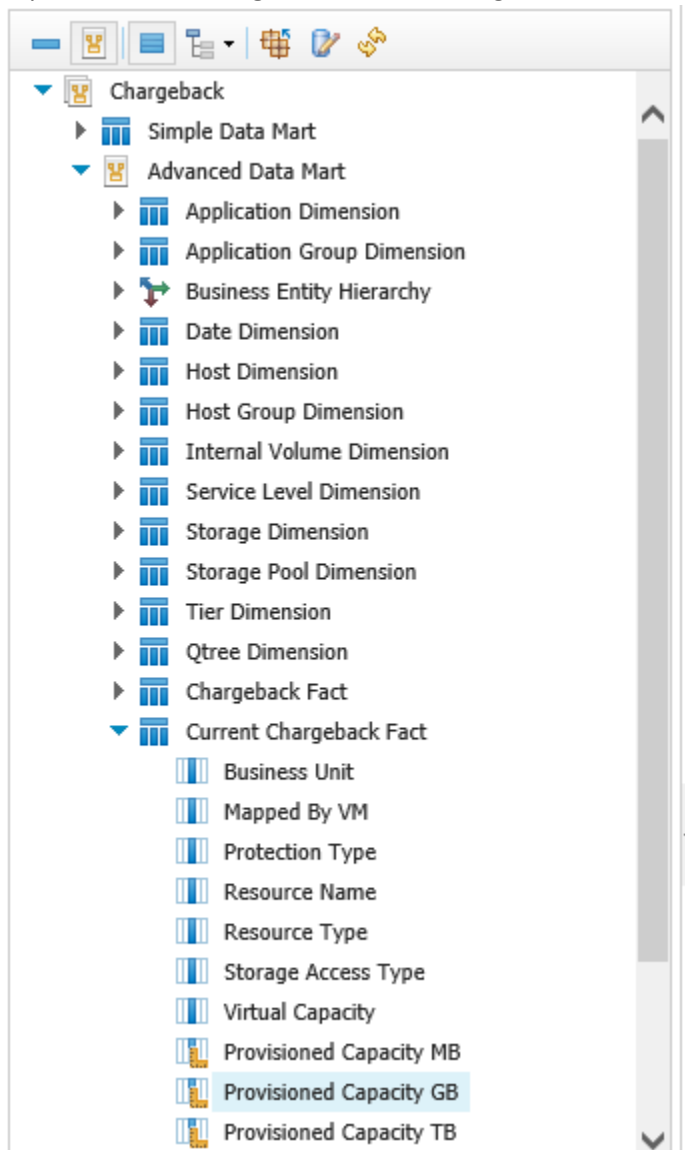
17. Expand the **Advanced Data Mart, Application Dimension**, and drag **Application Name** into the list



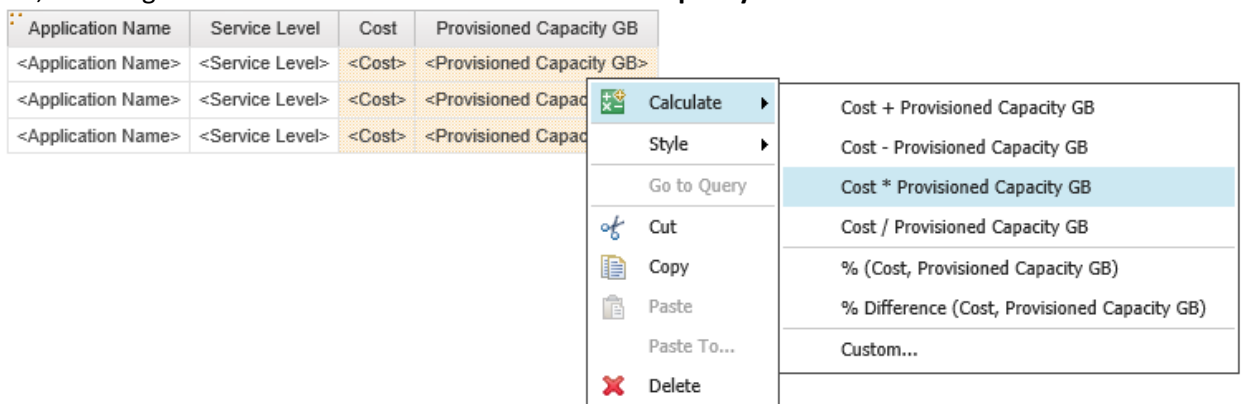
18. Expand **Service Level Dimension** and drag **Service Level** and **Cost** into the list



19. Expand **Current Chargeback Fact** and drag **Provisioned Capacity GB** into the list



20. Create a custom calculation by selecting **Cost** and **Provisioned Capacity GB**, right-clicking on the list, hovering over **Calculation** and **Cost * Provisioned Capacity GB**



21. Rename the new **Cost * Provisioned Capacity GB** column to **Provisioned Cost** by right-clicking on the header, selecting **Edit Data Item Label**, and renaming the **Data item name:** to “Provisioned Cost”

Cost * Provisioned Capacity GB
<Cost * Provisioned Capacity GB>
<Cost * Provisioned Capacity GB>
<Cost * Provisioned Capacity GB>

Data Item Label

Help

Data item name:

Provisioned Cost

Data item label:

Information:

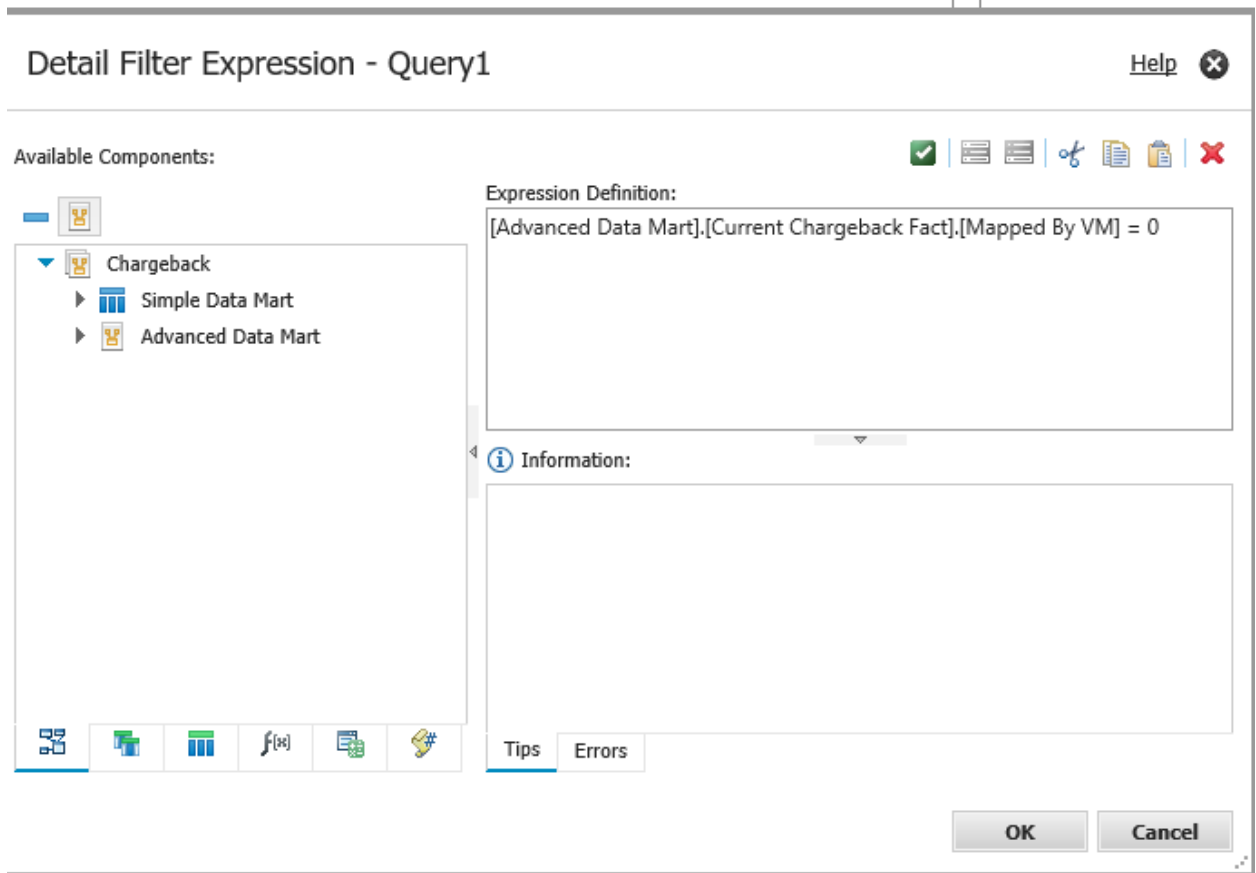
Data item name represents the name of the data item in the query. It is the label seen when viewing or editing expressions.

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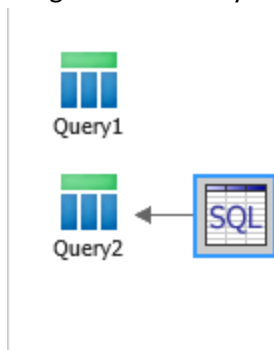
OK

Cancel

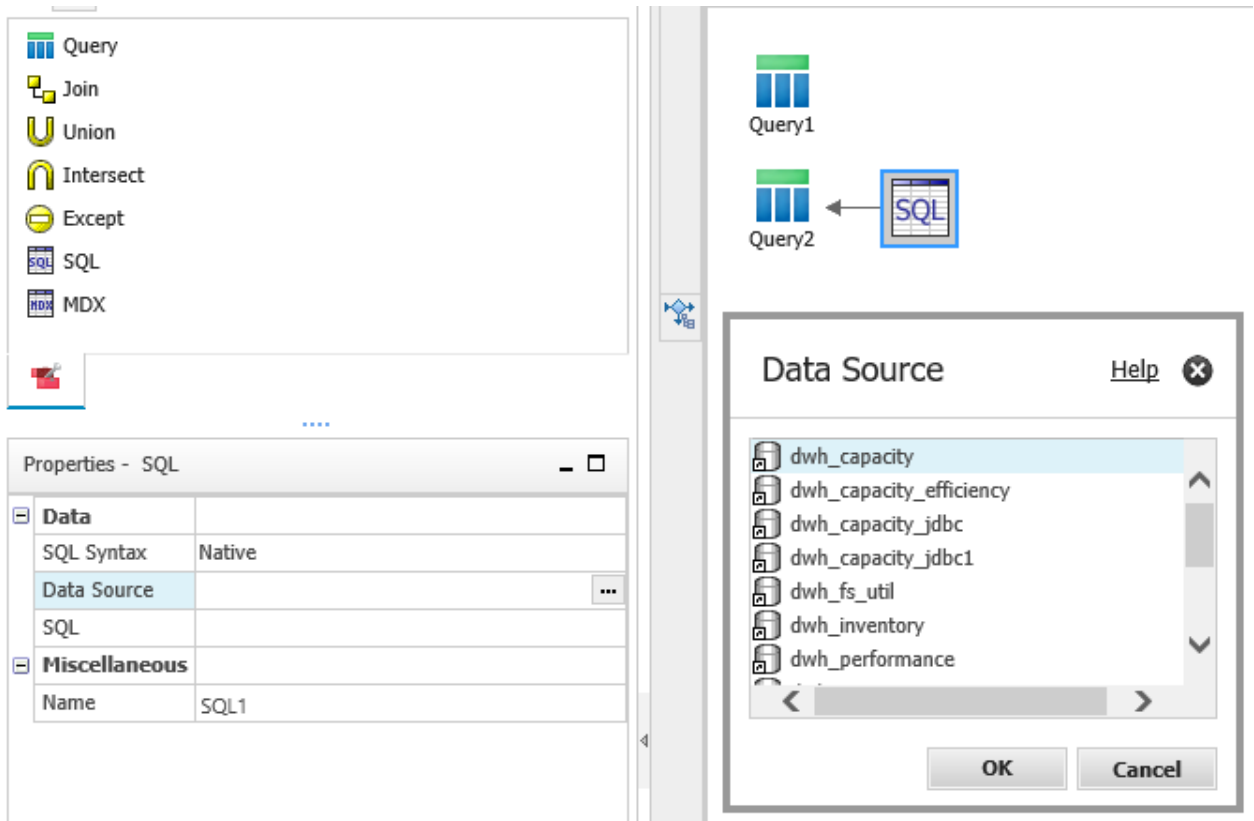
22. Right-click on any of the columns and select **Go to Query**
23. Drag **Mapped By VM** from **Current Chargeback Fact** into the **Detail Filters** section
24. In the **Detail Filter Expression – Query 1**, add: [Advanced Data Mart].[Current Chargeback Fact].[Mapped By VM] = 0
- This filters out ESX related capacity to prevent double counting with our VM Capacity query



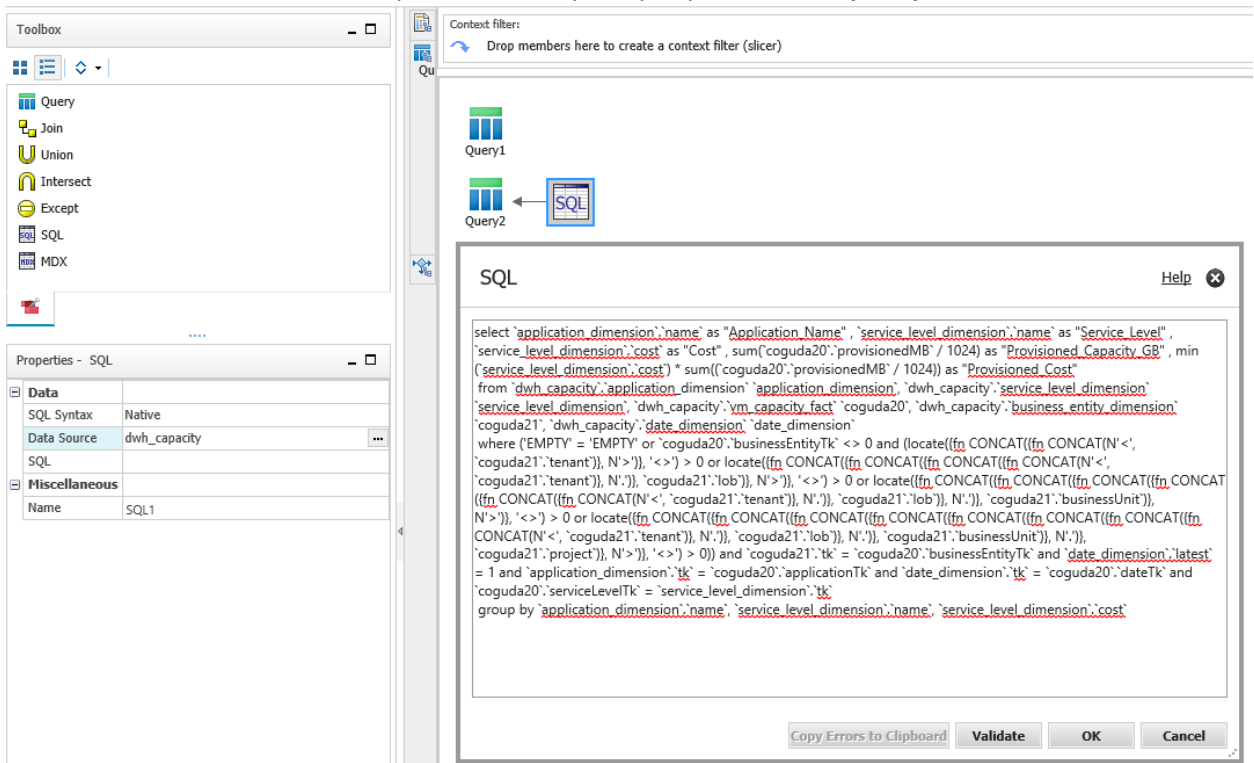
25. Navigate to **Query Explorer** (From the Toolbar, View -> Queries)
26. Drag in a SQL Query into the whitespace



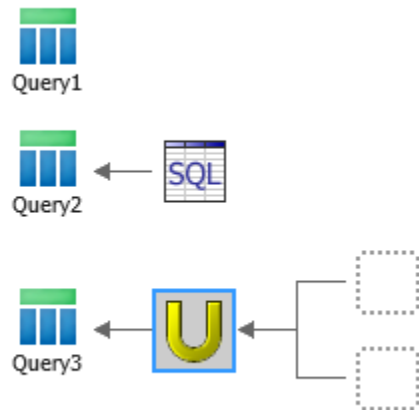
27. Select the SQL box and under Properties, select Data Source and choose **dwh_capacity** and click OK



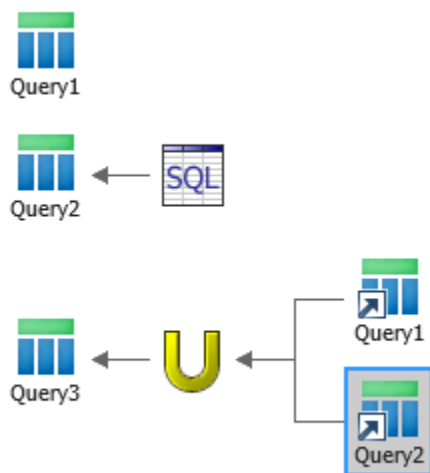
28. Double-click on the SQL box and paste in the copied query from **VM Capacity** and click OK



29. Drag in a **Union** query into the whitespace

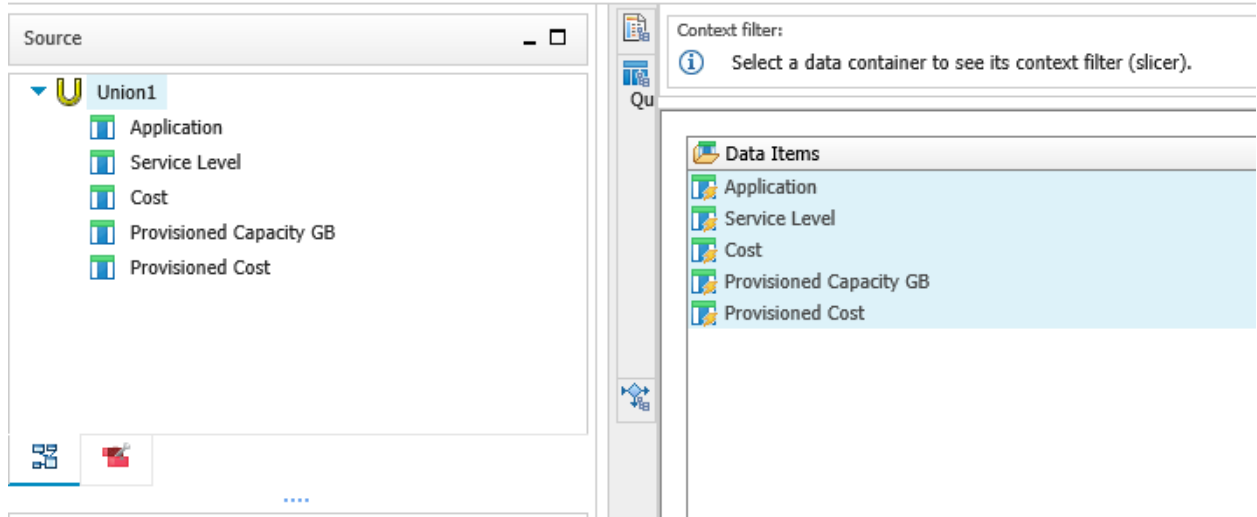


30. Drag **Query1** and **Query2** into the union



31. Open up **Query3**

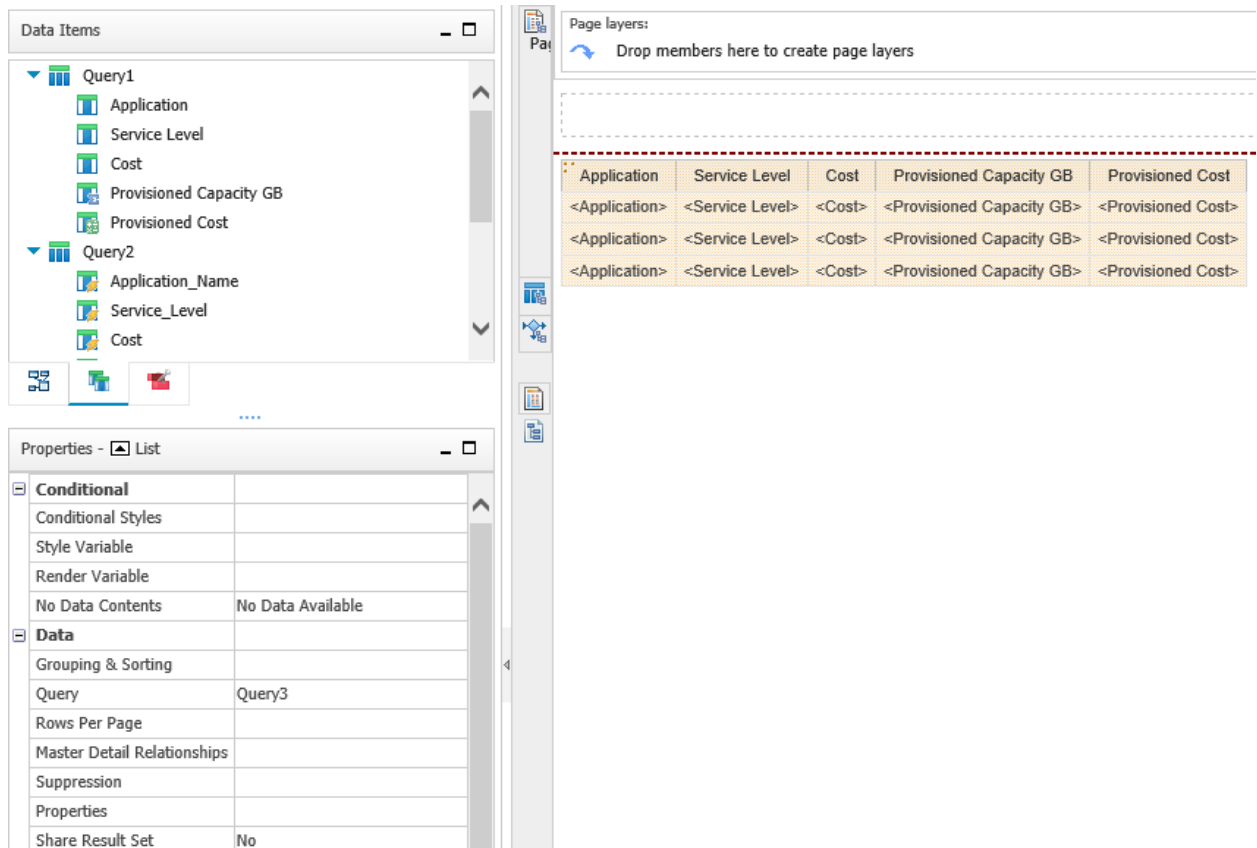
32. Drag in all of the data items from **Union1** into **Data Items**



33. Navigate back to Page Explorer (From the Toolbar -> View -> Report Pages)

34. Select the upper right corner of the list

35. Under **Properties – List, Data**, change the Query from **Query1** to **Query3**



36. Select both **Cost** and **Provisioned Cost** in the list

37. Under **Properties – List**, select **Data Format** and change the Format type to **Currency** and click OK

Properties - List Column Body

- Conditional
 - Conditional Styles
- Data
 - Data Format
- Box
 - Border
 - Padding
 - Box Type
- Color & Background
 - Background Effects
 - Background Color
 - Foreground Color
- Font & Text
 - Font
 - Horizontal Alignment
 - Vertical Alignment
 - White Space
- Positioning
 - Size & Overflow
- Miscellaneous
 - Classes (Multiple)

Format type: Currency

Properties:

Currency	
Currency Display	
Currency Symbol	
International Currency Symbol	
Currency Symbol Position	
No. of Decimal Places	
Decimal Separator	
Scale	
Negative Sign Symbol	
Negative Sign Position	
Use Thousands Separator	

Sample: 1,234.25

Reset

OK Cancel

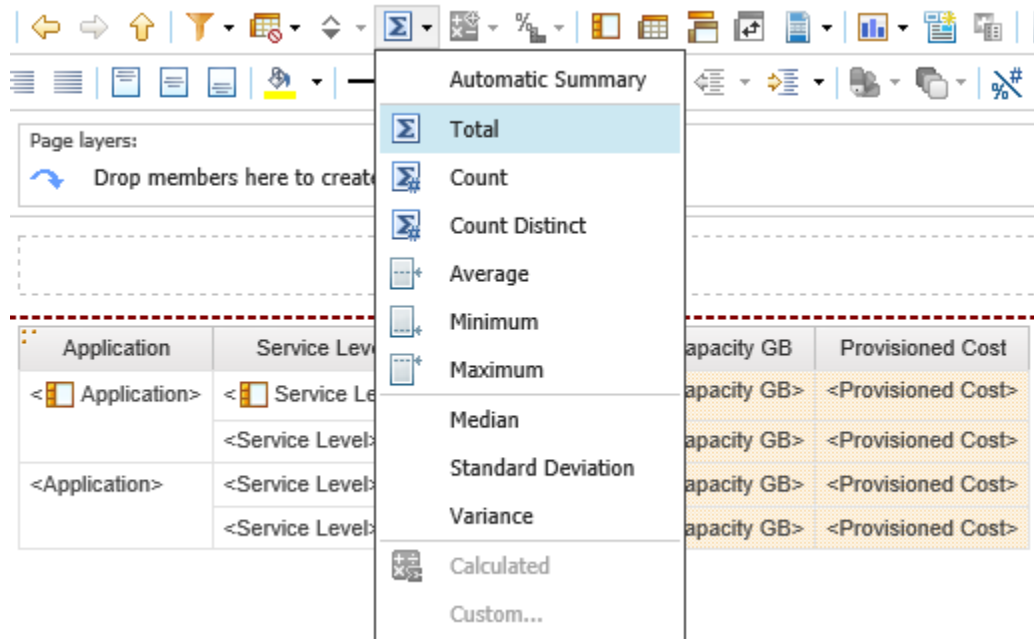
38. Select **Application** and **Service Level** on the list and select the Group By function

Page layers:
Drop members here to create new layers

Group By

Application	Service Level	Cost	Provisioned Capacity GB	Provisioned Cost
<Application>	<Service Level>	<Cost>	<Provisioned Capacity GB>	<Provisioned Cost>
	<Service Level>	<Cost>	<Provisioned Capacity GB>	<Provisioned Cost>
<Application>	<Service Level>	<Cost>	<Provisioned Capacity GB>	<Provisioned Cost>
	<Service Level>	<Cost>	<Provisioned Capacity GB>	<Provisioned Cost>

39. Select **Provisioned Capacity GB** and **Provisioned Cost** and select the Total function



40. Run the report and validate

41. Edit the title and save the report