

Tutorial: Oracle BAM – Active Studio –Simple Reports

(Tutorial_7_BAM_SimpleActiveReport.doc)

Supported Version: Oracle BAM 10.1.3

Objectives:

This document describes to designing simple reports, 3D Pie, 3D Bar & 2D Stacked Bar Charts. It explains the steps for creating the report, by selecting the data object to plot, and values & summary functions to be displayed. This document also explains the steps in setting the report properties for best suitable visibility and display features.

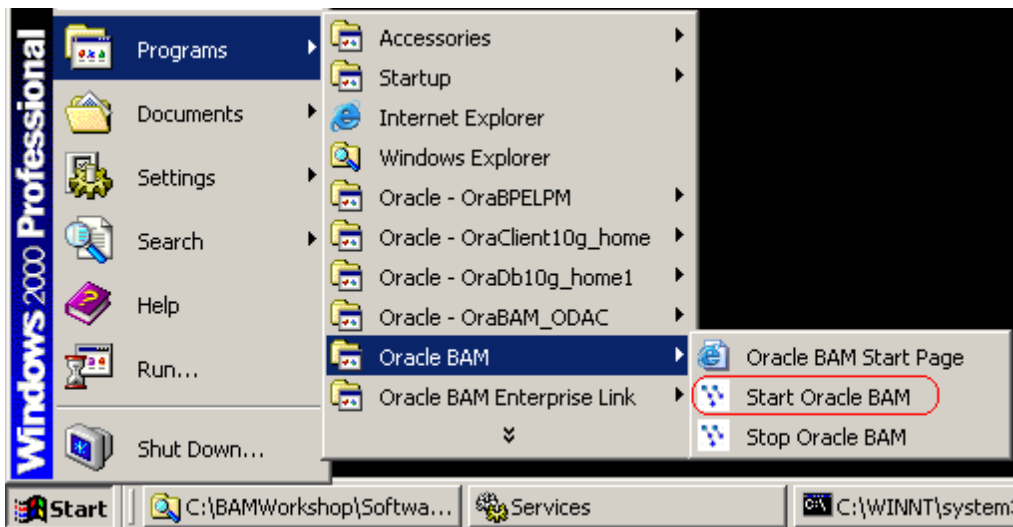
Prerequisite:

You should have completed all the steps described to previous tutorial documents. This document uses the BPEL OrderBooking Tutorial for example and building business dashboards.

Designing “Order Booking” Reports

This exercise shows the steps to design “simple reports”.

Start the Oracle BAM software using the startOracleBAM.bat batch file.



Data Objects for the reports:

The data objects used for these report design: BPELOrderBookingData and BPELOrderBookingTimeStamp should already be available under your “StudentLab” directory (when viewed in Architect –Data Objects). These steps are described in earlier documents.

Designing Report #1: Order by Status

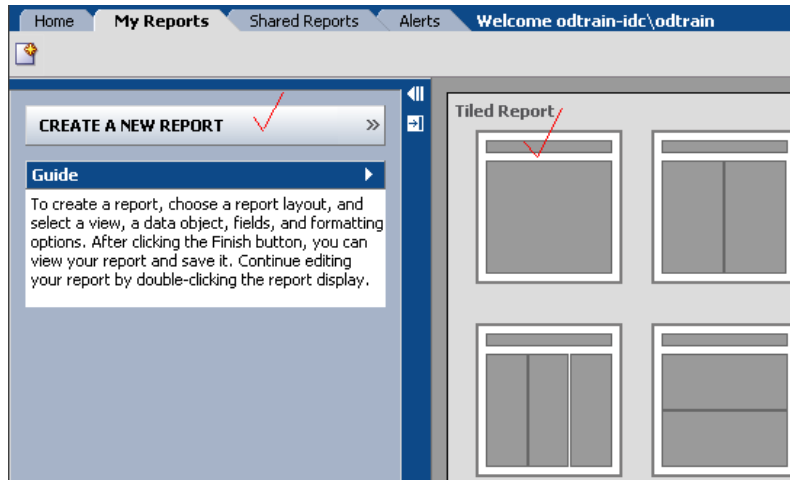
We will now design our first report that uses the data object that we have just imported.

Open Oracle BAM on browser, (IE only) <http://localhost/OracleBAM>

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Click on “Active Studio” link.

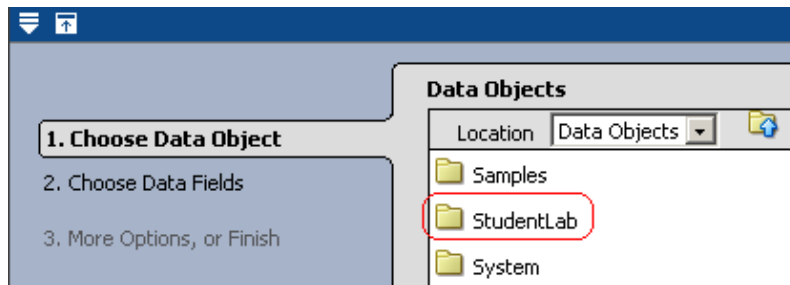
Select “Create a new report” link, and select the “Tiled Report” as shown below.



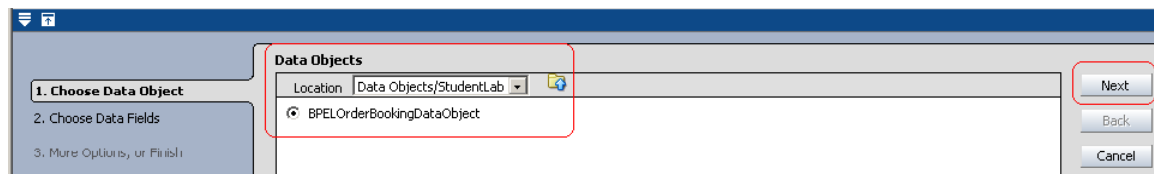
Select “3-D Pie Chart”



This will open Chart Edit Window in the bottom. Select StudentLab folder.



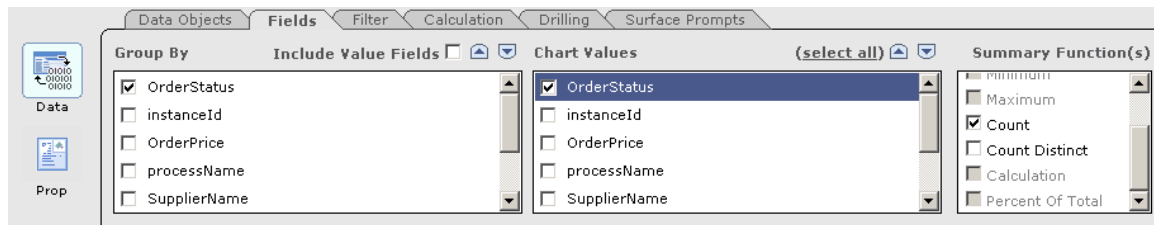
Pick “BPELOrderBookingDataObject” and click “Next”.



Select the parameters as shown:

Group By: OrderStatus Chart Values: OrderStatus Summary Function: Count.

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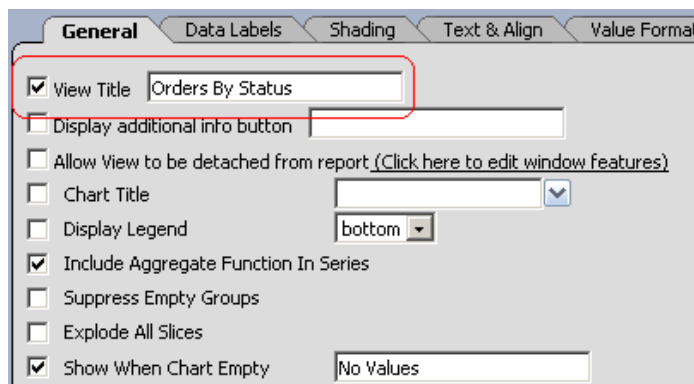
Click on Next.

Beautifying the report display

Click on “Change view properties” icon.

Click on General Tab.

Check the “View Title” button, and give it a title = “Orders By Status”, click “Apply”.



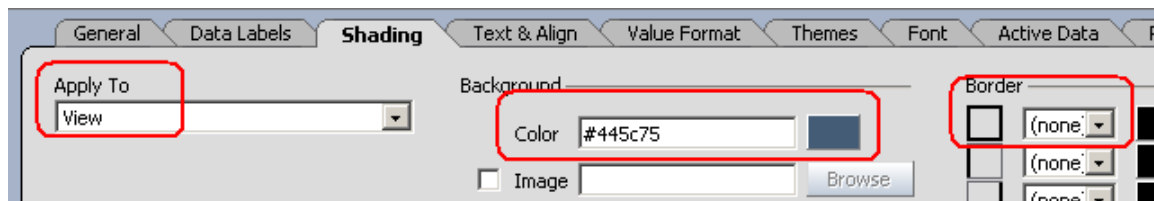
Click on Data Labels Tab. Select “Series Name”, “Percent”. Uncheck “Value” if it is selected. Click on “Apply”.

Click on Shading Tab. Select “Apply to” View

Change the background color from “transparent” to #445C75

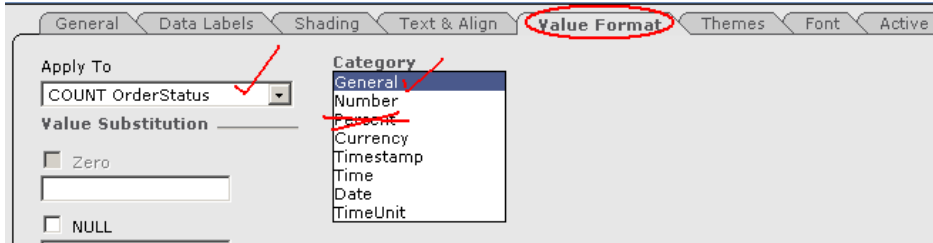
In the “Border” setting list box, select “none”. Click on “Apply”.

Select “Apply to” View Title, set background color to “transparent” click on “Apply”

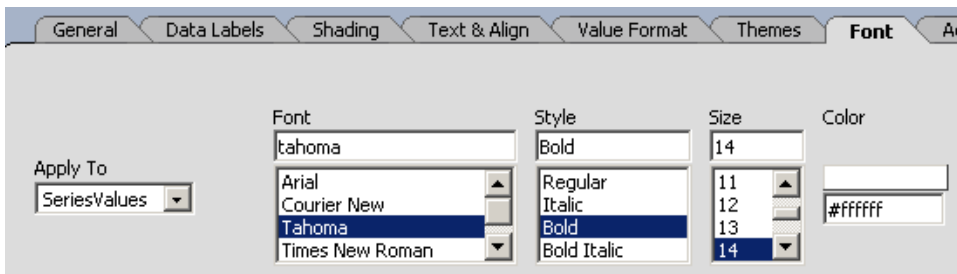


Click on Value Format Tab, set category to General, click on “Apply”. (why? Because the data is plotted as percent, see under data label)

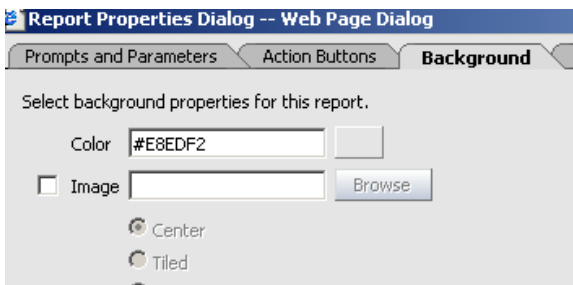
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Click on Themes Tab, select “Entrepreneur” theme for plotting, and click on “Apply”
Click on “Font”, select “View Title” and set font to “Arial / Bold / size 15”, color #EEEEEE . Similarly select “Series Values” and set font to “Tahoma / bold / size 14”, color #ffffff (white) Click on Apply.



Now, under the “Actions” Pane Click on Change Report Properties and set the Background color as # E8EDF2 (see below).



Click OK. Click on the “Save” icon (on the top of the Window) to save.



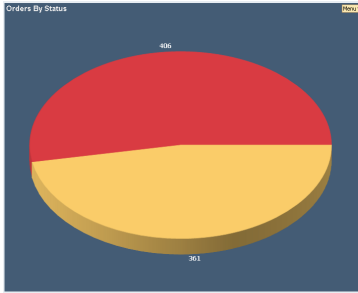
Click on “Create a new Folder” button to create a new folder called “StudentLab” under the “My Reports” folder.

Click on the folder creation, save this report with name the report as “Orders By Status”.

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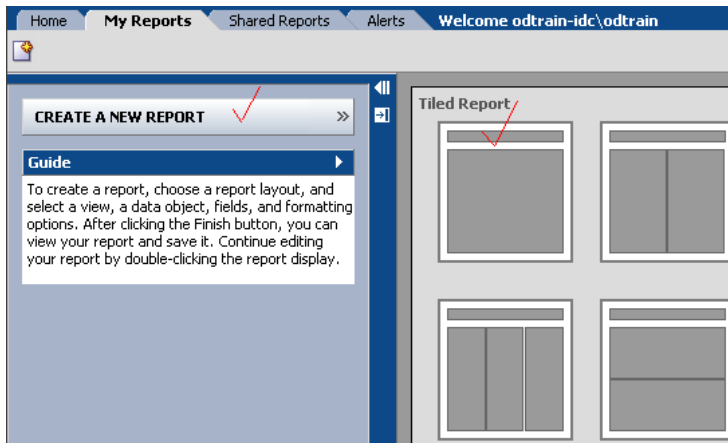
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View the report by clicking on the View link in the Actions pane. The report will be displayed as below.



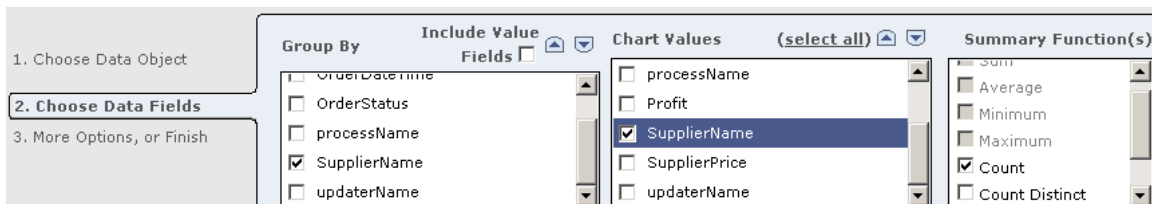
Designing Report #2: Orders By Vendors

Open Oracle BAM “Active Studio”. Select “Create a new report” link, and select the “Tiled Report” as shown below.



Select “3-D Bar Chart” 3D Bar Chart This will open Chart Edit Window in the bottom. Select StudentLab folder. Pick “BPELOrderBookingDataObject” and click “next”.

Select the parameters as shown: Group By: SupplierName, Chart Values: SupplierName, Summary Function: Count.



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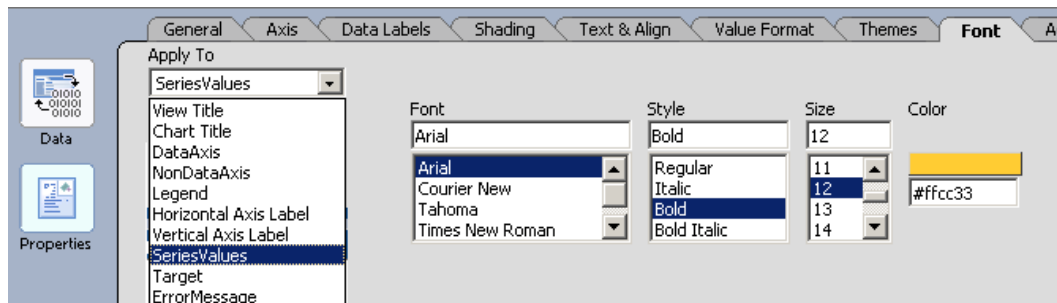
Click on next.

Beautifying the report display

Click on “[Change view properties](#)” icon.

Click on General Tab, Check the “View Title” button, and give it a title “Orders By Vendors”, Uncheck “Display Legend” (if it is checked), Select “Show Group Labels”(if it is not selected), and click “apply”.

Click on Data Labels tab, Select “Value” (if it is not selected already), click on “apply”. Click on Font tab, set “View Title” to– “Arial – Bold – size 15”, color #EEEEEE, and Select “Data Axis” set to– “Tahoma – Bold – size 12”, color #FFFFFF, and select “Non-Data Axis” set to “Tahoma-Bold-size 12”, color #FFFF66, then select “Series Value” set to “Tahoma-Bold-size 12”, color #FFCC33. Click on “Apply”.



Click on Themes, and set your theme color pattern for “23rd street”. Click “Apply”. Click on [Change Report Properties](#) (on the “Actions” pane) and set the Background Color as #223A53 (as below - blue). Click the “Save” icon to save the report. Select StudentLab report folder. Report name= “[Orders By Vendors](#)”.

The report will be shown as below.



Designing Report #3: Orders By Value

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Open Oracle BAM “Active Studio”. Select “Create a new report” link, and select the “Tiled Report” and select “Stacked Bar Chart” This will open Chart Edit Window in the bottom.

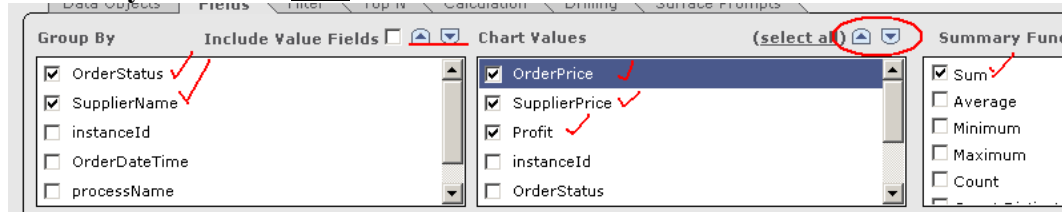
Select StudentLab folder. Pick “BPELOrderBookingDataObject” and click “next”.

Select the parameters as shown:

Group By: SupplierName, OrderStatus.

Chart Values: OrderPrice, SupplierPrice, Profit (in this order). (If the order of the chart values are different change the order by using the arrows as indicated below)

Summary Function: Sum.



Click Next.

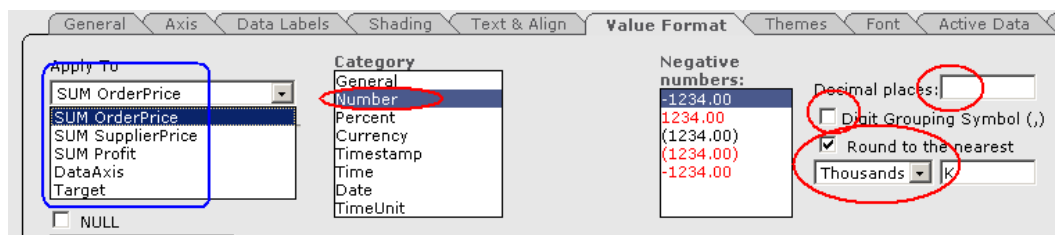
Beautifying the report display

Click on “Change view properties” icon. Click on General Tab, Check the “View Title” button, and give it a title “Orders By Value”, click “Apply”.

Check “Display Legend” at bottom, Uncheck “Include Aggregate Function in Series”, Select “Show Group Labels”(if it is not already selected), and click “Apply”.

Click on “Value Format” to format large numbers for this report. For each “value” (SUM OrderPrice, SUM SupplierPrice, SUM Profit), set

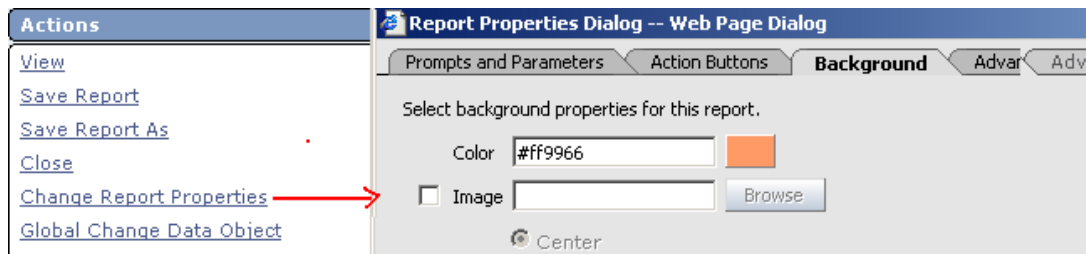
- Category as “Number”
- Decimal places as “0”
- Select “Round to nearest Thousands (K)”
- Deselect “Digit Grouping Symbol”



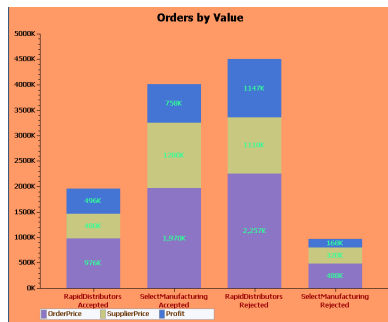
Next click “Change Report Properties” and set the Report Background Color as below:

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Click OK. Click on the “Save” icon to save, Select report folder “StudentLab”
Name the report as = “Orders By Values”. The report will be shown as below.



Close the Active Studio Window.

Viewing your report

You can open the active viewer, and select the reports you have created and view it. A live data feed window should open up showing live interface to the data objects.

This completes the exercises for defining individual reports and plotting the data object values, and chart property formatting for better view layout.

Saving your report:

Open the dos command prompt and use iCommand utility to save all your work.

```
cd c:\temp
```

```
iCommand cmd=EXPORT file=report1.report name="StudentLab/Orders By Status"
```

```
type=report
```

```
iCommand cmd=EXPORT file=report2.report name="StudentLab/Orders By Vendors"
```

```
type=report
```

```
iCommand cmd=EXPORT file=report3.report name="StudentLab/Orders By Values"
```

```
type=report
```

You can later import this into the system, if required using import option.

Summary:

At the end of this exercise, students would have understood:

- Designing simple reports, 3D Pie, 3D Bar & 2D Stacked Bar Charts
- Selecting the data object to plot, and the values & summary functions.
- Setting the report properties for best suitable visibility and display features.
- Exporting and saving the reports for backups, and modifying reports for different display parameters.
- Guidelines and details of beautifying reports in given in a separate tech note document.

Questions & Clarifications:

If you have any comments or need additional information, please communicate through the Oracle BAM forum at: <http://forums.oracle.com/forums/forum.jspa?forumID=252>