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# CREATE REPORTING CHARTS

A USER'S GUIDE

VIENNA ADVANTAGE

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## 1 INTRODUCTION

### 1.1 WHAT'S IN THIS MANUAL

This Document intends to inform the user about Creating Dashboard Reporting Charts in VIENNA Advantage.


### 1.2 WHAT IS DASHBOARD CHARTS

Dashboard Charts is a charting system where certain selected data is shown with charts and statistics. User has the flexibility to select any table from the application database to show the statistics on different charts available. Primarily VIENNA Advantage Dashboard Charts supports six types of charts i.e. Line, Bar, Column, Pie, Area and Donut.

### 1.3 AUDIENCE

1	End Users
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### 1.4 SYMBOLS AND CONVENTIONS

	Example
	Note
	Caution
	Recommendation

### 1.5 PRODUCT SUPPORT

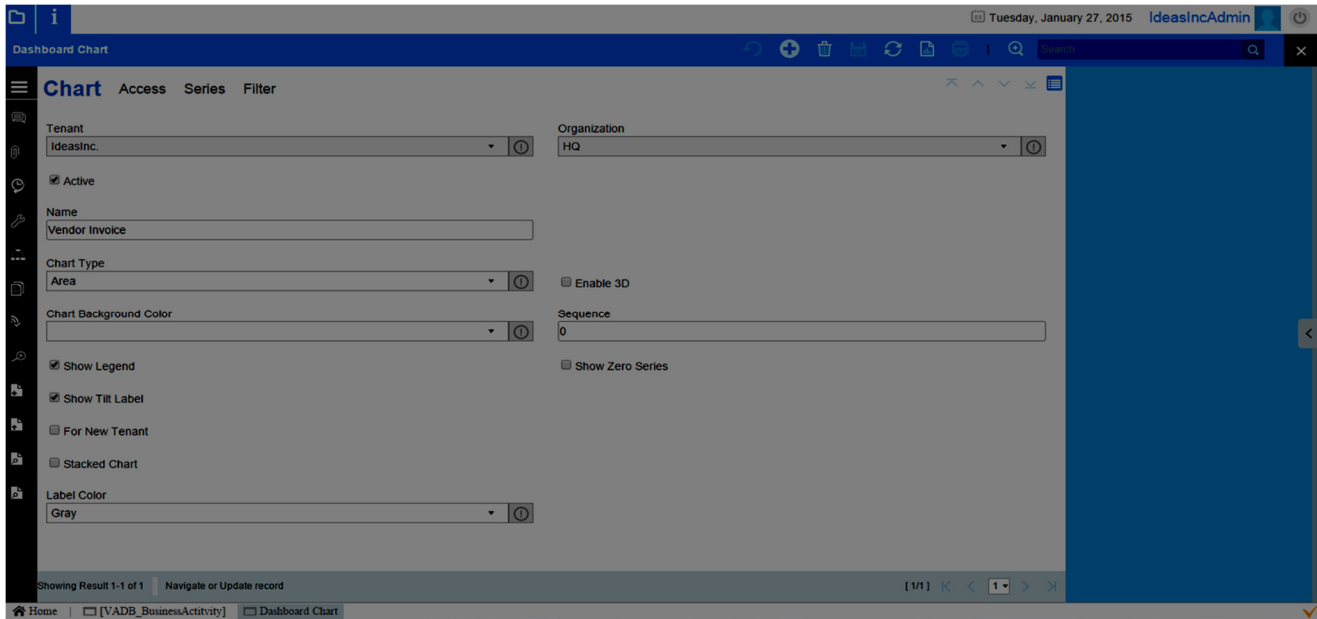
In case of any questions related to this user manual you can contact VIENNA Advantage customer care located in the "Contact" section of <http://www.viennaadvantage.com>

## 2 CREATE DASHBOARD CHARTS

To create Dashboard Charts login into VIENNA Advantage, go to the Dashboard Window by typing Dashboard on search menu, Dashboard window has 4 tabs i.e. Chart, Access, Series and Filter. These are explained one by one with functionality of each and every field on it.

### 2.1 CHART TAB

In Chart Tab, specify the name of the chart you want to create. You have to select the type of chart you want to show on your screen. Others fields on chart tab are not mandatory but you can select or use them accordingly.



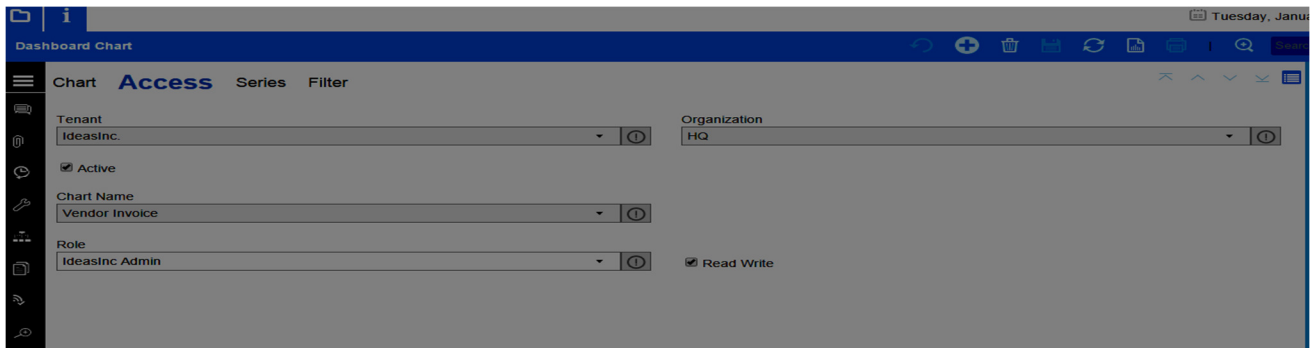
<b>Name</b>	Name of the chart you want to create
<b>Chart Type</b>	Type of the chart (Line, Bar, or Column)
<b>Enable 3D</b>	You have the option to show the chart in 3D effects
<b>Chart BG Color</b>	Sets the background color of the chart
<b>Sequence</b>	In multiple chart cases, sequence could be used to set the display sequence on screen.
<b>Show Legend</b>	Legends of the chart are enabled.
<b>Show Zero Series</b>	If selected, Zero series would also be included in resulted chart.
<b>Show Tilt Label</b>	If selected Label s will be tilted.

<b>Stacked Chart</b>	If selected it will show stacked view of chart.
<b>Label Color</b>	To change the color of Labels.

## 2.2 ACCESS TAB

This tab gives you the option to provide access to the charts according to the different Role in the system. Chart selected in the first tab will only be shown to the roles added in the access tab.

After completing the first tab, save the changes and click to the access tab. Click on the new button, and select the role you want to provide. Check Read Write checkbox. You can add as many as role available in the system.



## 2.3 SERIES TAB

Series Tab allows you to create different series in the chart. Series is the actual data which will be shown on the chart. With the help of this tab, you can represent your data on chart. Data can be fetched from any table available in the system.

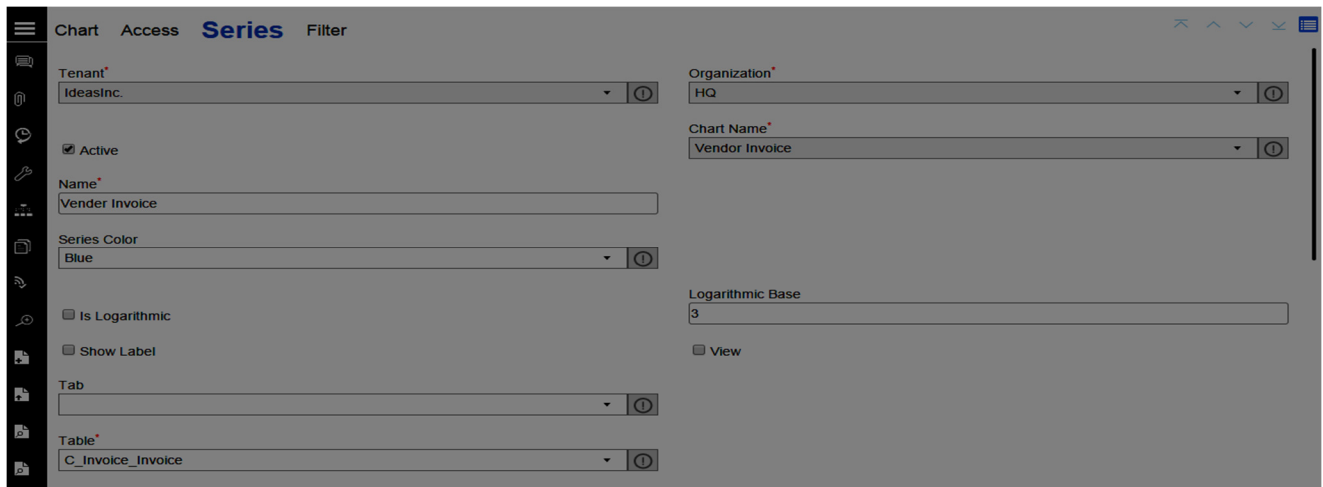


Chart Access **Series** Filter

▾ X Axis Mapping

X Axis Label   Disable X Axis

Data Type X\*  ⓘ

Date Time Types\*  ⓘ

Date From  Date To

Column X\*  ⓘ

▾ Y Axis Mapping

Y Axis Label   Disable Y Axis

Column Y\*  ⓘ

Sum  Avg

IsCount  None

▾ Other Condition

Sql WHERE

OrderBy Column\*  ⓘ

Order By Desc

<b>Name</b>	Name of the series. There can be multiple series in one chart. This field is unique
<b>Series Color</b>	Color of the series. Bar, Line or Column will be in the color selected here
<b>Is Logarithmic</b>	The logarithm of a number to a given base is the exponent to which the base must be raised in order to produce that number. At times the data in the series is too large to show on small chart. For example, the logarithm of 1000 to base 10 is 3, because three factors of 10 must be multiplied to yield a thousand
<b>Logarithmic Base</b>	Base value for the logarithmic calculation.
<b>Show Label</b>	Whether or not, Labels are to be shown on the axis
<b>Tab</b>	Allows you to select a particular Windows tab.
<b>View</b>	Check if want to select a view as table.

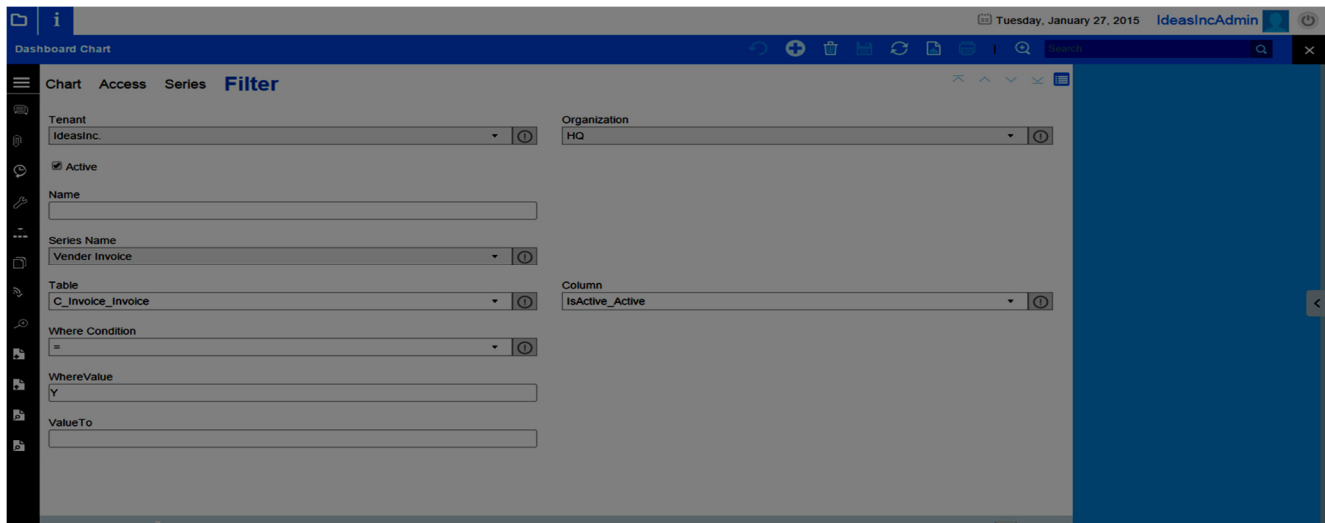
<b>Table</b>	Allows you to select table of the selected Tab.(If View Checkbox is checked then table field will contain list of all the tables which are marked as View )
<b>X Axis Label</b>	Label text on X Axis
<b>Disable X Axis</b>	If checked, X Axis will not be visible.
<b>Data Type X</b>	This set the kind of data to be shown on X Axis. Currently only three data types are supported i.e. String, DateTime and Identifier. String allows you to have direct field binding in X Axis Date allows you to show data in date binding Identifier allows you pick foreign keys from the existing table
<b>Column X</b>	Name of the column from where the data is to be picked.
<b>Date Time Types</b>	This option allows you to fetch data in time spans. If selected None from the option, all the date from the table will be picked. Options available are self-explanatory Last? Days Last? Months Last? years Daily Monthly Yearly None
<b>Date column</b>	This field depends on Date Time type field (previous field). Select the date column according to which data will be fetched. For the case of None, it is not applicable
<b>Value</b>	This option is available only for the first three option of Date Time Type field (ref.)
<b>Date From/date to</b>	This option is available for the rest of the options available in Date Time Type field except None.
<b>Y Axis Label</b>	Label to be shown on Y axis
<b>Column Y</b>	Select the column to be shown on Y Axis. Only calculative columns are shown in this field
<b>Disable Y Axis</b>	If selected, Y Axis will be disabled



<b>Sum</b>	If selected, Sums the Y axis
<b>Avg</b>	If selected, Average is displayed
<b>Count</b>	If Selected, Records are counted
<b>None</b>	In this case, no aggregate function is applied on data. Data will be shown as it is.
<b>SQL Where</b>	Any extra where condition to be applied
<b>Order By Column</b>	To set ascending sort order on X axis or Y axis. Options available ColX ColY
<b>Order By Desc</b>	If Selected, Data will be shown in descending order. Ascending is the default order.

## 2.4 FILTER TAB

This tab allows you to apply special filters on the records fetched from database. This is similar to the where condition in SQL Query. You can add as many as filter on your series.

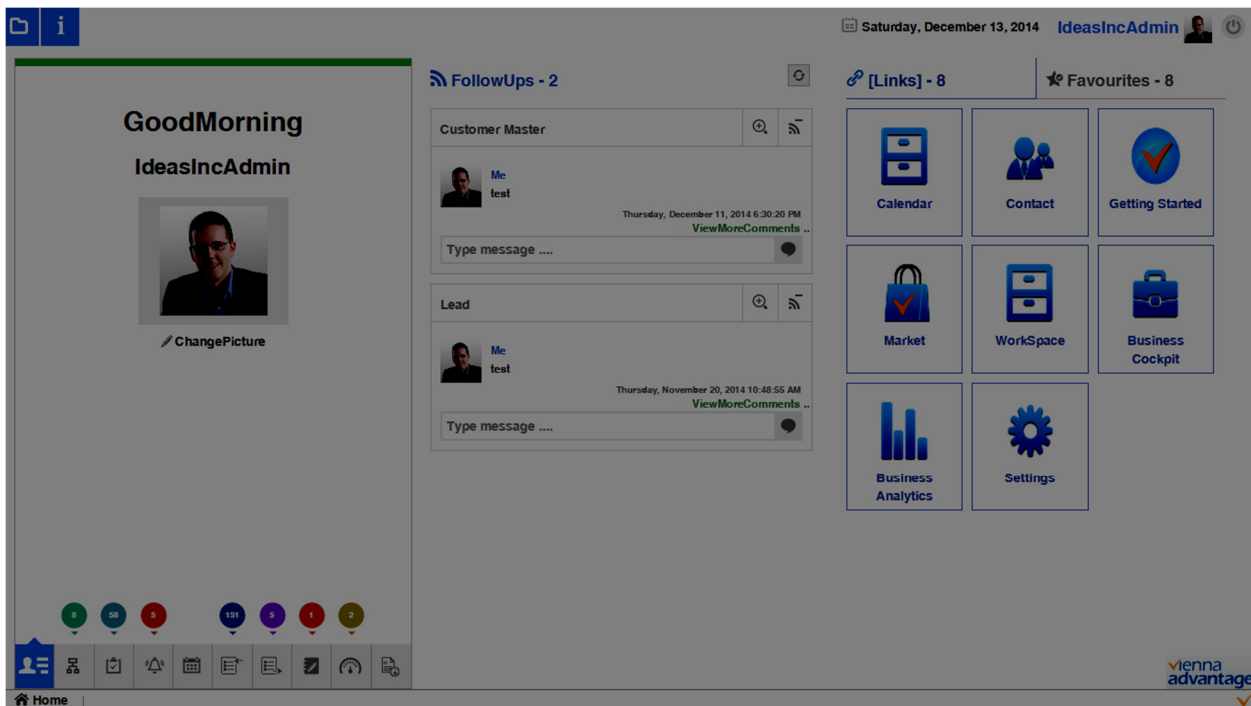



<b>Name</b>	Name of the filter
<b>Table</b>	Read Only. It will be as selected in series tab

<b>Column</b>	Name of the column on which the filter is to be applied
<b>Where Condition</b>	Type of where condition. <ul style="list-style-type: none"> <li>• Equals to ==</li> <li>• Not Equals to !=</li> <li>• Greater than equal to &gt;=</li> <li>• Less than equal to &lt;=</li> <li>• Between &gt;&lt;</li> </ul> <p>According to your selection, Column value will be parsed</p>
<b>Where value</b>	Column selected will be queried according to the value passed here. Matching condition will be Where Condition field (Previous field)
<b>Value to</b>	Applies only in case of between where condition. This will act as an upper limit for the between condition

### 3 VIEW DASHBOARD CHARTS

After creating chart, providing access, defining Series and applying required filters, you want to see the results. To view the outputs go to Business Analytics on VIENNA Advantage Home.

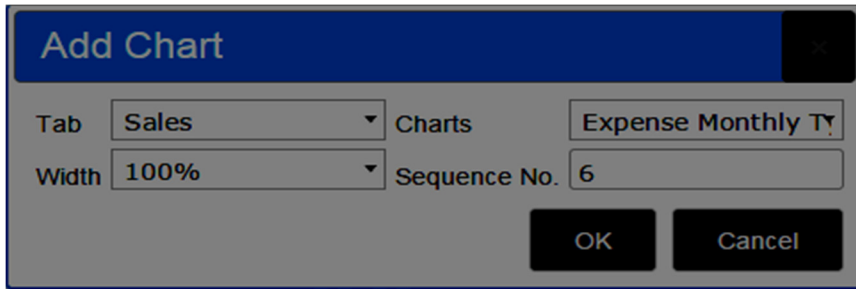


Select a particular tab in which you want to add your Chart. Click on  (Add Chart Icon) on Top Bar.

Create Reporting Charts

User can add a new tab on left hand side Panel on Business Analytics from Analytics Manager Window.

On Add Chart Dialog Box you can select particular Tab, Charts (which you have already created in Dashboard Chart Window), width percentage of area to be acquired by the chart (four options are available 100%, 75%, 50% and 25%) and Sequence Number.

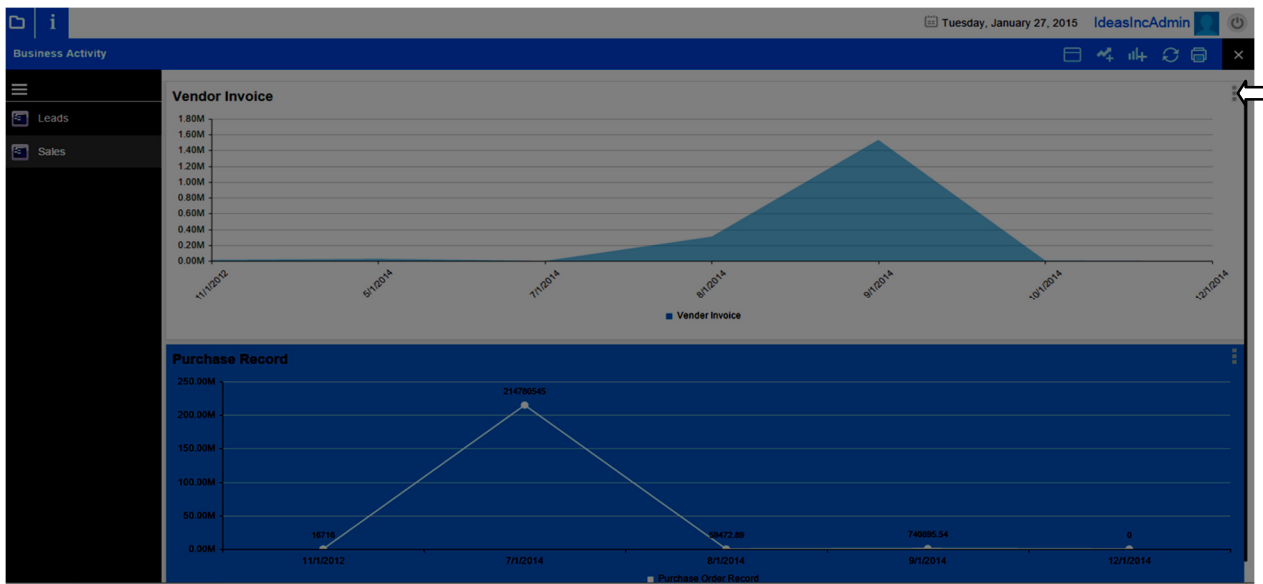


The 'Add Chart' dialog box is shown with the following configuration:

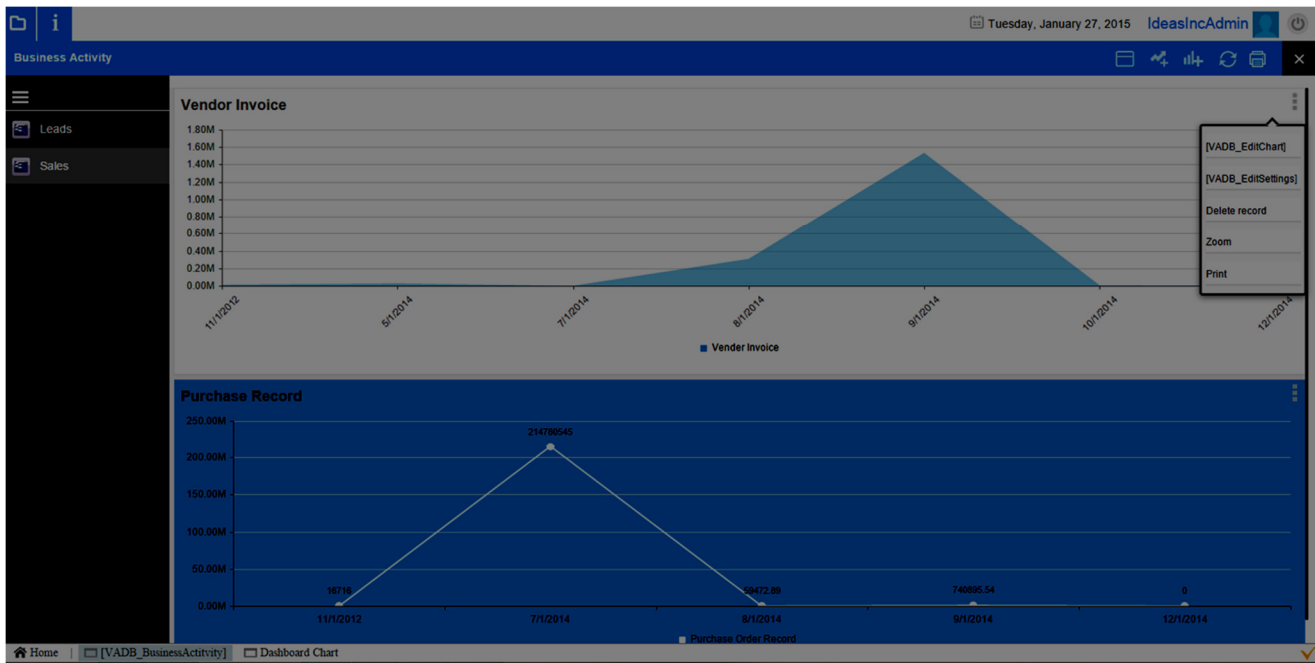
Tab	Sales	Charts	Expense Monthly T
Width	100%	Sequence No.	6

Buttons: OK, Cancel

Pressing ok, will show chart on Dashboard Area.



Form option icon, various options will be displayed.



<b>Edit Chart</b>	It will open current chart in Dashboard window. You can change setting from this place.
<b>Edit Settings</b>	<p>User can change width and sequence No of current Chart.</p>
<b>Delete Record</b>	Delete current chart from selected tab. It will not delete entry from dashboard window.
<b>Zoom</b>	To enlarge current selected chart.
<b>Print</b>	To print current selected chart.

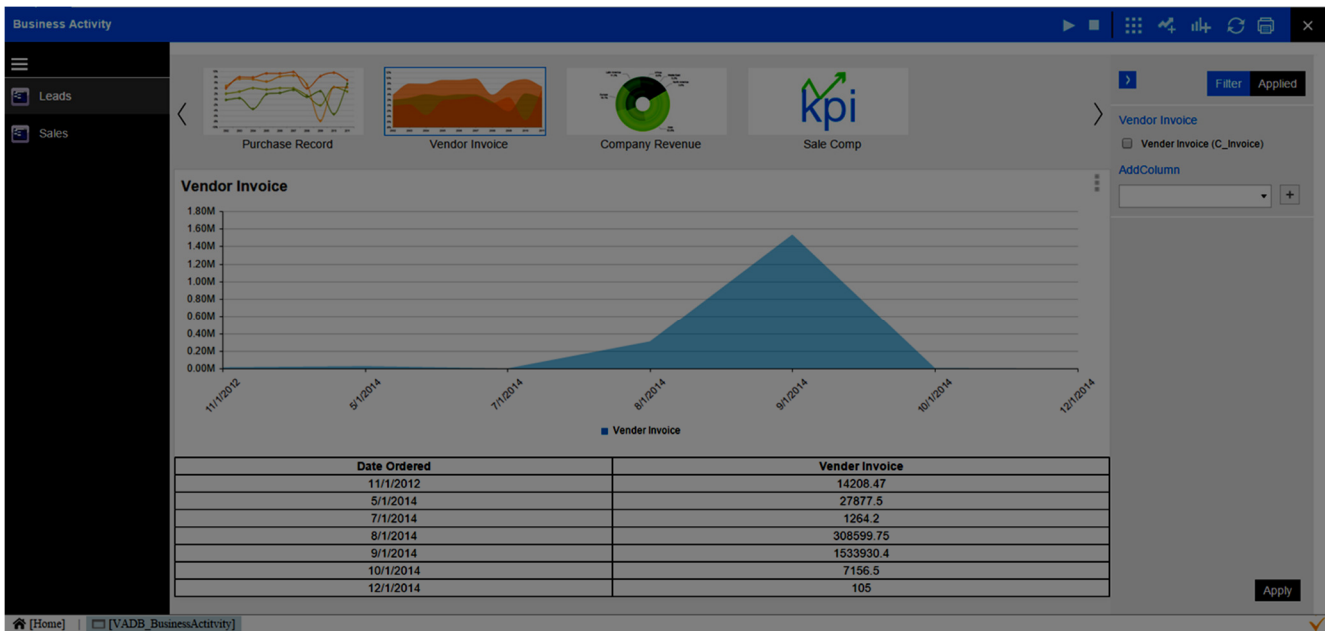
Note that if you want to make any changes to chart go to Dashboard Chart window and change the series according to requirements.

Header Options:



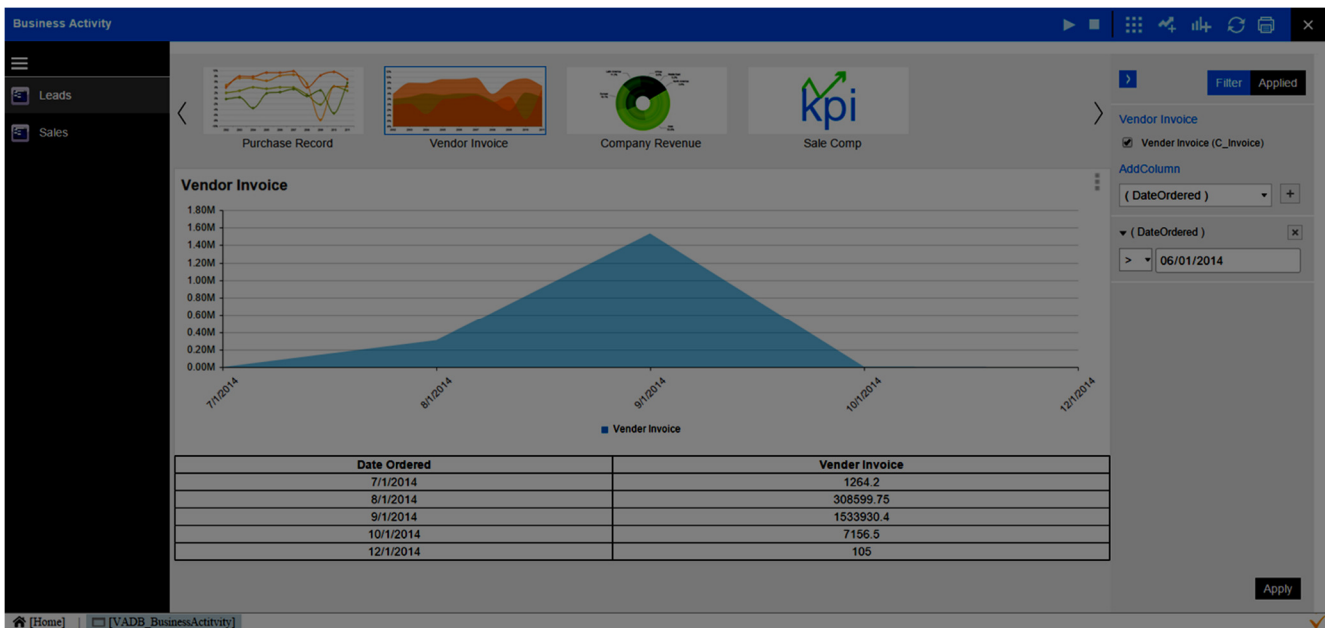
<b>Show Single Layout</b>	It will convert current Tab into single chart view.
<b>Add KPI</b>	2 <sup>nd</sup> option is to add new KPI into current Tab.
<b>Add Chart</b>	3 <sup>rd</sup> option is to add new Chart into current Tab.
<b>Refresh</b>	To refresh current selected Tab.
<b>Print</b>	To print current selected Tab.

### Single Chart View



In Single Chart view, single chart will be displayed at a time. All the other charts will be displayed in form of thumbnails at the top of form. Select the chart which you want to see. It also displayed values of current chart into a table at the bottom of chart. In case of single chart, it also provide facility to apply filter on series that is being displayed in chart.

For Filtering, select series to which you want to apply filter. Then select column of that series and then set value of that column and click apply. Chart will be refreshed and will show data according to applied filter.



*Note: While creating charts using view, it may be required to apply filter when chart is displayed. It is recommended to add all those columns into view, which can be used in filtering data.*