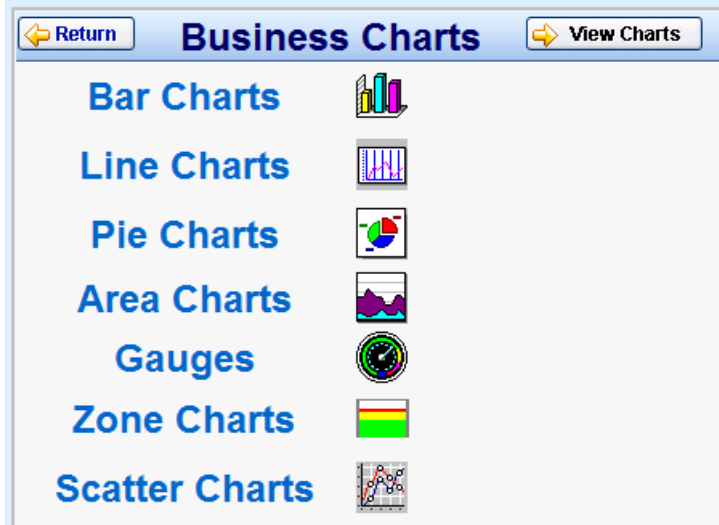


4.22 Business Charts



Denali has the ability to produce a wide variety of business related charts and graphs- including bar, line, area, pie and gauge charts. The charting module can accept user supplied data, as well as uploaded data files. Let's start by clicking **Charts** on the menubar to bring up the Business Charts Menu as shown below.



Let's start with a simple example of a gauge chart – select the Gauges text or icon above to bring up the Gauge Chart Maker screen shown below.

Chart Type: Semi Full Angle Horizontal Vertical Zone

Chart Title:

Chart Value:

Full Scale: Major Tick: Minor Tick:

Green Zone:	Label	<input type="text" value="Good"/>	Start	<input type="text" value="0"/>	End	<input type="text" value="6"/>
Yellow Zone:	Label	<input type="text" value="Weak"/>	Start	<input type="text" value="6"/>	End	<input type="text" value="8"/>
Red Zone:	Label	<input type="text" value="Bad"/>	Start	<input type="text" value="8"/>	End	<input type="text" value="10"/>

Background Color:

Save Image: No Yes

Image Filename: Save Format:

The primary input for a gauge chart is the chart value – in this case a default value of 5.7 is supplied. Selecting the “Full” gauge option and clicking the Update button we see that a gauge chart is produced as shown below.

Gauge Chart Maker Update

Chart Type: Semi Full Angle Horizontal Vertical Zone

Chart Title:

Chart Value:

Full Scale: Major Tick Minor Tick

Green Zone: Label Start End

Yellow Zone: Label Start End

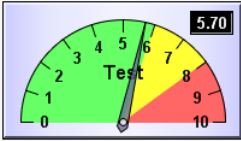
Red Zone: Label Start End

Background Color:


Save Image: No Yes

Image Filename: Save Format:

Update



The Gauge Chart Maker form allows the user to set the chart scale, set tick marks, define green, yellow, and red zones, and choose a background color for the gauge.

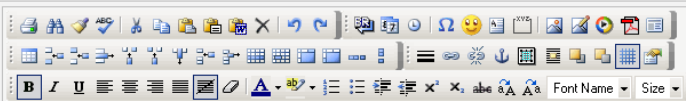
Once the chart looks just right, the user can elect to Save the chart image as a file to the Denali **docs/postpics/charts** file directory. The chart image file can be saved in a number of file formats like GIF, JPG, PNG, etc. Once saved, the charts can be used in Denali News Stories, Discussion Boards, eMeetings, anywhere where the Rich-Text editor allows the user to Insert Images using the Insert Image icon  on the Editor toolbar.




Add News Story

From: Headline:

Organization: Run Story for: Post to: All Listings Org. Only



We need to Improve our Safety Performance.



Submit

Let's look at another chart type – the Pie Chart. The Pie Chart Designer form is shown below. Users can enter a series of Labels and Values for the pie chart segments and also select custom features such as colors, 3D layout, legends, etc.

Pie Chart Designer Update


Return 

Chart Title:
Pie Type: Simple 3D

Chart Size Horz.:
Chart Size Vert.:

Pie Radius:
Add Legend ?: No Yes

Chart Labels:

Chart Values:

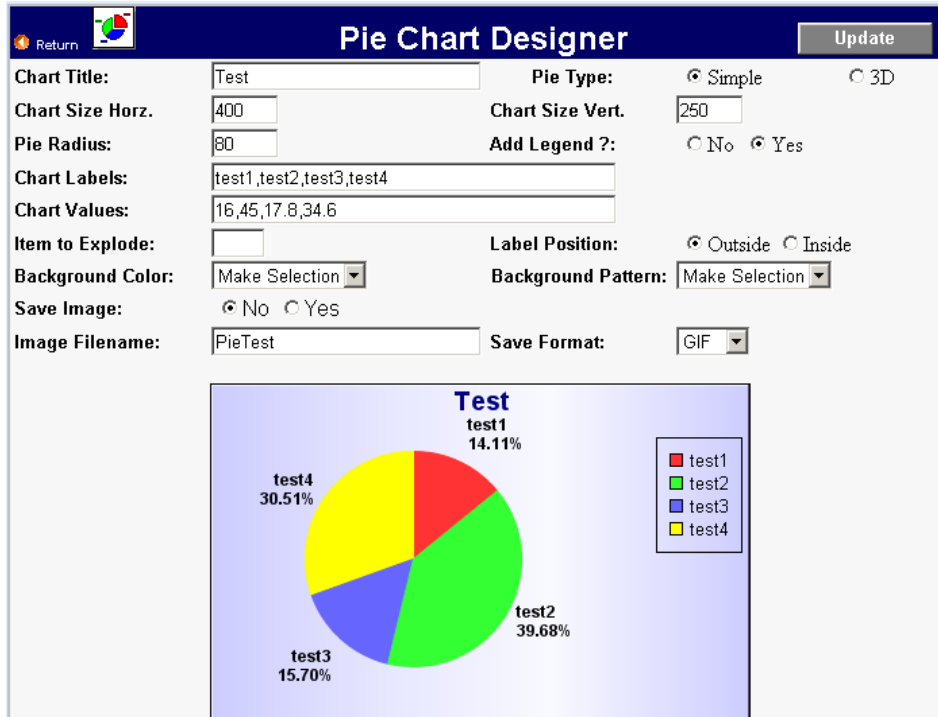
Item to Explode:
Label Position: Outside Inside

Background Color:
Background Pattern:

Save Image: No Yes

Image Filename:
Save Format:

As with the Gauge Chart , Pie Charts can be saved as images for use throughout Denali to produce reports, messages, etc.



Looking now at Bar Charts, we can introduce the concept of uploading data files to be used as input for the chart production. The Bar Chart Maker form is shown below. As in previous examples, the user can input chart data directly on the form. For cases with large amounts of data, however, it is more convenient to upload a datafile to Denali containing the data needed for chart construction. Uploaded files can be MS Excel files or comma-separated-value (CSV) files.

Bar Chart Maker Update

Return

Chart Title: Type: Simple 3D Multi Stacked

Chart Labels:

Chart Data Set 1:

Chart Data Set 2:

Data Set 1 Name: Data Set 2 Name: Vert. Tick Marks:

Chart Size Horiz.: Chart Size Vert.: Show Legend: No Yes

Plot Size Horiz.: Plot Size Vert.: X-Axis Title:

Title Font: Title Size: Y-Axis Title:

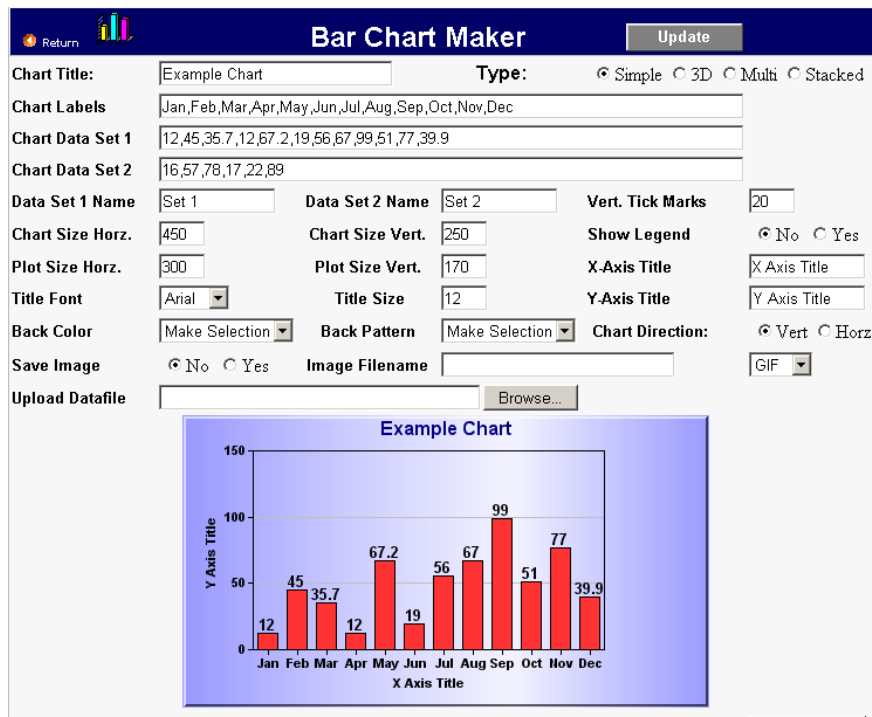
Back Color: Back Pattern: Chart Direction: Vert Horz

Save Image: No Yes Image Filename: GIF:

Upload Datafile:

Source=Form Data Update

The form above shows the Upload Datafile field which allows users to Browse their personal computers for the data needed to produce the chart.



Uploaded data files must, however, meet certain format restrictions in order for the data to be transferred successfully. The format for MS Excel and CSV files are shown below.

For MS Excel files, the Data Labels must be in the first column and the Data Values in columns 2 and 3 as shown below:

Labels	DataSet 1	DataSet 2
Jan	2	4
Feb	44	62
Mar	4	66
Apr	55	22
May	6	34
Jun	78	61
Jul	23.8	23.8
Aug	45.9	29
Sep	0	78.1
Oct	67.9	56.3
Nov	56.3	67.3
Dec	16.9	23.1

For CSV files, the Column Headings must be in row 1 with the data value pairs in the rows below.

Labels,Values

1,1

2,0

3,4.7

4,8.8

5,25

Producing a Performance “Dashboard”

The Denali Content Management module can be used along with the Charting Module to produce rich-text documents and so-called Performance “Dashboards”. These documents provide an excellent means to convey summary performance against an organization’s key performance indicators. Denali contains a simple Dashboard template in the Content Management module to get you started. The Editor’s toolbar can be used to insert chart images into the document and the templates structure allows for text discussions of the charts and performance against goals. A portion of the Dashboard template is shown below.

Performance Dashboard

Example Data Only



Safety



Customer Satisfaction



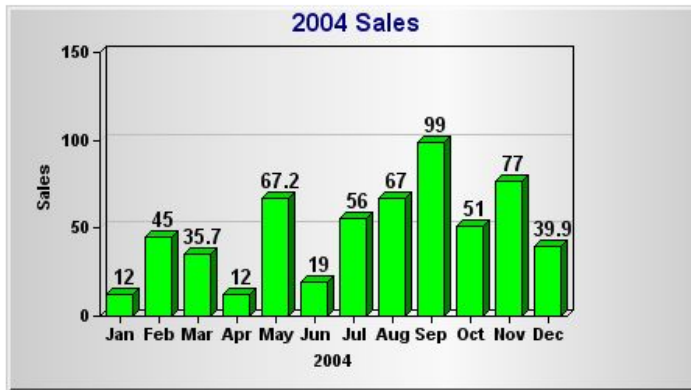
Quality

Leading IndicatorsCut and paste your article into this section. You can make the font size smaller to allow for more text. Cut and paste your article into this section. You can make the font size smaller to allow for more text. You can make the font size smaller to allow for more text. Cut and paste your article into this section. You can make the font size smaller to allow for more text. Cut and paste your article into this section. You can make the font size smaller to allow for more text.

2004 Sales

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Cut and paste your article into this section. You can make the font size smaller to allow for more text. Cut and paste your article into this section.



Member Security Settings:

For new Members, the Charting module has 2 overall levels of Access Permissions as shown below:

Business Charts ? No Access Full Access

These 2 choices can be further defined in terms of the starting named security profiles, and their allowable actions as shown in the chart below:

22) Business Charts			
Access Permissions	No Access	No Access	Full Access
Profile Name	Guest, Assoc 0		Basic, Advanced & Admin 2
All Chart Functions			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2