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# Getting Started with QlikView Part VIII

## Working with Container Objects

### **Description:**

BISP is committed to provide BEST learning material to the beginners and advance learners. In the same series, we have prepared a complete end-to end Hands-on Beginner's Guide for QlikView. The document focuses on container objects, Scattered chart, Button and Static Box. Join our professional training program and learn from experts.

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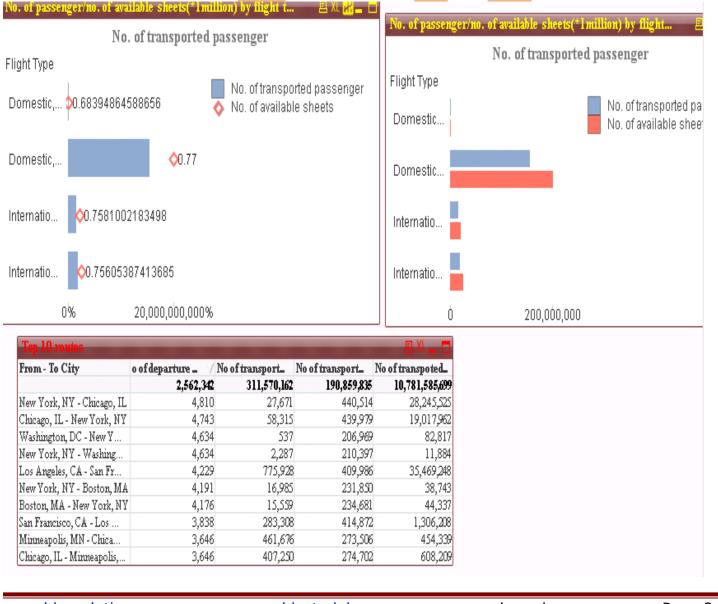
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Statistic box:		

### **Container object:**

This is the object which contains more than one chart. The various objects which are available in the sheet can be displayed in the container objects and can be viewed using the tabs within the container object. This object is used to save lot of screen space if we have more than 10 or 15 charts in the sheet thus occupying lot of space on the screen and with smaller chart sizes.

Below are the charts which we want to contain in container object, so firstly we will remember the Id of these objects for which we want to have them in the container. The below shown charts having the Id as CH03, CH13 and CH06 are to be selected in the container object.



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Below are the steps follow for creating and using the container box.

Step 1: Right click on the sheet->new sheet object->container box Select the above mentioned object id's by using Add option.->Apply->ok

Container Properties []			<b>—</b>
General Presentation Font Layout	Caption		
General       Presentation       Font       Layout         Eviating Objects         BU01         CH01 trafic per year         CH04 Top 10 routes         CH05 trafic per year         CH08 Airline         CH09 No. of passenger/no. of ava         CH11 No. of passenger/no. of ava         CH12 Top 10 routes         CS01 Current Selections         CS02 Current Selections         IB01         LB01 Destination Country         LB02 Destination City         LB03 Destination City         LB04 Origin Country         LB05 Origin State	Add >	Objects Displayed in Container CH03 Top 10 routes CH06 No. of passenger/no. of availab CH13 No. of passenger/no. of availab	Object ID CT01
Filter		Promote    Demote   Label for Selected Object	
		OK Cancel	Apply Help

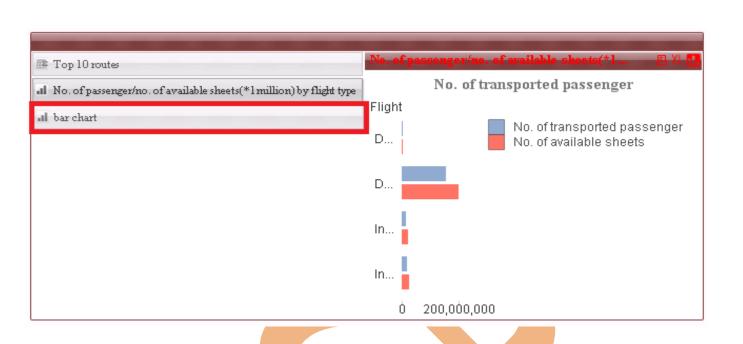
Step 2: Now the container object is created as shown below with the tabs to the left, each tab representing the each object and its name on the tab.

I bar chart	Top 10 routes						
	o of departure _ V	From - To City	No of transport				
A No. of passenger/no. of available sheets(*1million) by flight type	24,926	-	1,072,				
	4,285	Juneau, AK - Gustavus, AK	153,				
🗈 Top 10 routes	4,219	Gustavus, AK - Juneau, AK	26,				
	2,496	Juneau, AK - Hoonah, AK	151,				
	2,489	Hoonah, AK - Juneau, AK	31,				
	1,992	Juneau, AK - Haines, AK	233,				
	1,866	Haines, AK - Juneau, AK	86,				
	1,167	Skagway, AK - Juneau, AK	48,				
	1,126	Juneau, AK - Skagway, AK	206,				
	929	Juneau, AK - Kake, AK					
	925	Kake, AK - Juneau, AK					

Step 3: ->click on the 'Top 10 routes' tab or any tab to see the respective chart in the right pane.

🗈 Top 10 routes	No. of passenger/no. of available sheets(*1 🗈 🕮
📶 No. of passenger/no. of available sheets(*1 million) by flight type	No. of transported passenger
al bar chart	Flight D 20.6839486 No. of transported passenger No. of available sheets
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	In ᅌ 0.758100:
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	020,000,000,000%

Step 4: ->click on the bar chart tab to see the chart in the right pane.



Step 5: We can change the arrangement of the whole container objects by going through the properties of the container object. Navigate to the presentation tab, here in the appearance the options available which are Tabs on the left sets the tab on the left and chart visualize in the right, Tabs to the right sets the tab on the right in the container object and chart visualize in the left, Tabs on the Top sets the tab on the top and chart visualize in the bottom, Tabs at bottom sets the tab on the bottom and chart visualize in the top, Dropdown at top sets the tab on the bottom we can explore the list by selecting the drop down in the container object ->Apply->ok

ontainer Properties []				
General Presentation	Font Layou	ut Caption		
Container Type				
Single Object		-		
Appearance Tabs on the left				
Tabs at top				
Tabs on the left Tabs at bottom				
Tabs to the right				
Dropdown at top				
Background				
			ок	Cancel Apply Help
sam <mark>ple view</mark> of "1	Fabs at bot	tom" is show	wn below.	
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	<u></u>	5387413685		
International, US Car	V0.7500			
International, US Car ( Top 10 rout)	0%		20,000,000,000% er/no. of available shee	al barchest

Step 6: We can show all the charts in the Grid View as well by using the option available in the Presentation tab -> Container Type -> grid ->Apply->ok

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Container Properties []				_	<b>×</b>
General Presentation Font Layout Caption					_
Container Type					
Grid					
Grid					
Single Object					
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nis will give the Grid view as below.	ок	Cancel	Apply	Help	
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Step 7: Whenever we implement container it creates two copy of the particular object one remains in the container object and the original one is in the sheet, that means container

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doesn't move into itself but creates copy in the container. Please remove the original object from sheet once added into the container object.

->Right click on the chart then->remove

Top 10 routes o of departure _ // From - To City No of th	I XL	No. of	passenger/n	o. of	available sheets(*.		
<b>24,926</b> 4,285 Juneau, AK - Gustavus, AK	1,0 1 ▲	Flinkt	No. of t	trans	ported passeng	er 😭	
4,219 Gustavus, AK - Juneau, AK		Flight			No. of transported	na	Detach
2,496 Juneau, AK - Hoonah, AK 2,489 Hoonah, AK - Juneau, AK	1	D			No. of available st		Set Reference
1,992 Juneau, AK - Haines, AK	2 🔻	ó	100,000				Clone
No. of passenger/no. of available sheets(*	E XL 🔣		100,000			_	Clear All Selections
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No. of transported passenger						F	
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							Help
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Remove Sheet Objects						×	
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Do you want to delete on			ted or all	linke	ed objects?		
			~ ~		1		
Delete Selected Delet	e All		Cancel		ļ		
							=

Click only "Delete selected" this will only delete the original object from the sheet or "Delete All" will delete the object from container as well as sheet.

Step 8: Here in the container having 2 captions, one is of the container and another one is of the chart. This one is container's caption and properties showing here......

Top 10 routes         o of departure/ From - To City       No of r         24,926       4,285 Juneau, AK - Gustavus, AK         4,285 Juneau, AK - Gustavus, AK       4,219 Gustavus, AK - Juneau, AK         2,496 Juneau, AK - Hoonah, AK       2,496 Juneau, AK - Hoonah, AK         2,498 Hoonah, AK - Juneau, AK       1,992 Juneau, AK - Haines, AK         No. of passenger/no. of available sheets(*       No. of transported passenger         Flight       No. of available sheets         D $\diamondsuit$ No. of available sheets	transp         I,0           1         I           1         I           2         I	ght	variable sheets(* A		Reset Grid Copy to Clipboard 🕨
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o of departure _ / From - To City No 24,926	ssenger		No. of available sheets(*		

#### Scattered chart:

A scatter chart is a type of mathematical diagram using Cartesian coordinates to display values for two variables for a set of data.

The data is displayed as a collection of points, each having the value of one variable determining the position on the horizontal axis and the value of the other variable determining the position on the vertical axis. This kind of plot is also called a scatter chart.

Creating the chart ->right click on the sheet -> New sheet object ->chart ->select the scatter chart -> Next

eneral			
Window Title			Object ID
Show Title in Chart			
<use expression="" first="" label=""></use>			Title Settings
Detached     Read Only			Print Settings
Calculation Condition			
Chart Type          Image: Chart Type     <			Fast Type Change         Allowed Types         Bar Chart         Line Chart         Combo Chart         Scatter Chart         Pie Chart         Pivot Table         Straight Table
Reset User Sizing       Reset User Docking       Error Messages	Reference Mode: Dimmed •	1	Preferred Icon Position In Chart In Caption
< E	Back Next >	Finish	Cancel Help

Now in the Expression tab, select the values for X axis and Y axis (these would be the measure columns which hold the data). Then select the bubble chart 'Z' if you want the chart in the foam of bubbles. At any given point if you want the regular expression tab, click on "Advanced Mode",

Exp	pressions				
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#### Achieving the KPI "Transported passenger Vs Mail"

Now we are going to achieve our KPI "Transported passenger Vs Mail" using this scattered chart, so the values to be selected are #transported Mail on X axis and # Transported Passenger on Y axis and check the field bubble chart then this will show the Result in the form of bubble. Here in the Field Bubble Size Expression we have taken sum of departure perform.

Here the question is arise that if you have already taken the Transported mail and transported passenger so what is the requirement of sum of Departure performed in Z axis. The answer is to show the departures performed at the carrier level.

X			Z	
# Transported Mail			Bubble Chart	
Label	1		Bubble Size Expression	
# Transported Mail			Sum ([# Departures Performed])	
Show Label				
Y				
# Transported Passengers	•			
Label # Transported Passenge	ers			
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Advanced Mode		< Back	Next > Finish Cancel	Help
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nart Properties [# Transported Mail]		
General       Dimensions       Dimension Limits         Available       Fields/Groups         *¿Destination Airport ID       *¿Destination Airport Market ID         *¿Destination Airport Sequence ID       *¿Destination World Area Code         * Dimension World Area Code       *         *¿Distance Group ID       *¿Origin Airport Market ID         *¿Origin Airport Market ID       *¿Origin Airport Sequence ID         *¿Origin Airport Market ID       *¿Origin World Area Code         *?       ?Region Code         *¿Service Class ID       *¿Unique Carrier Code         *¿Unique Carrier Entity Code       Aircraft Group         Aircraft Group       Aircraft Group         Aircraft Group       Carrier Group         Carrier Soperating Region       Show System Fields         Show Fields from Table       All Tables         Edit Groups       Trellis	Expressions       Sort       Str         Add >           C       Remove       Promote         Demote       Demote	ye Presentation Axes Colors Number Font  Used Dimensions  Carrier Name  Add Calculated Dimension Edit  Add Calculated Dimension  Enable Conditional  Suppress When Value Is Null  Show All Values  Show Legend  Label  Label  Label  Comment Advanced  Page Breaks No Breaks ▼

Ensure that the Number format string should integer and Thousand symbol as 'x1 thousand', Million Symbol "x1 million" and Billion symbol should be 'x1 billion' ->Apply->ok

General         Dimensions         Dimension Li           Expressions         # Transported Mail # Transported Passengers         #           Sum ([# Departures Performed])         #         #	Expressions     Sort     Style     Pr       Number Format Settings     Expression Default     Precision       Number     Image: Precision     Precision       Integer     Fixed to     Decimals       Money     Date     Decimals       Time     Timestamp       Interval     Show in Percent (%)	21-05-97
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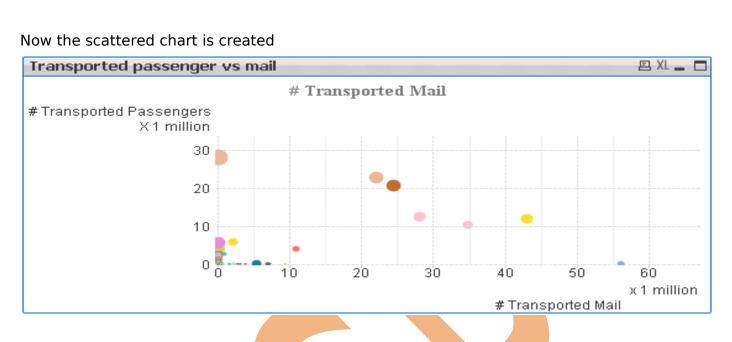
art Properties [# Tra	insported Mail]					
eneral Dimensions	Dimension Limits Expr	ressions Sort	Style Present	tation Axes (	Colors Number	r Font
Data Appearance Colors 1-6	Colors 7-12	Colors 13-18	I Repeat Use Patter ✓ Wh	ent Colors Last Color ns Instead of Colo en Printing Screen	Get Default Colo Jndo Color Chan	
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the grid optic	on in the Axis tal	b (to show g	rids in the	chart) ->Ap	oply->ok	

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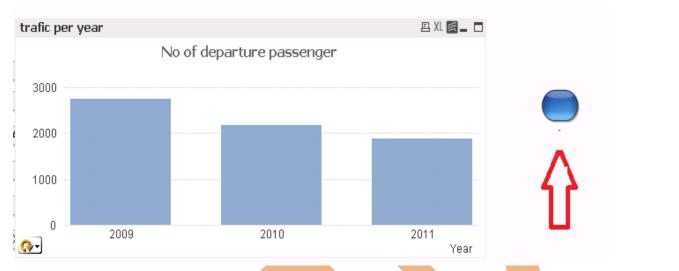
#### **Buttons:**

Buttons can be used to execute various actions in QlikView. Buttons may look quite different. In the Background group, you have the choice between a Plain background, Aqua, which gives the button a glassy look, and Image (If you decide to use an Image). These are some of the actions.

step 1:We can set any action on clicking the add button just like here we have apply the action Minimize object and give the ld of the chart as CH05 in object ID so on clicking on the button it will minimize the chart whose ID is passed here.

www.bispsolutions.com	OK Cancel	Apply Help C www.hyperionguru.com	Page 15
Button Properties []         General Actions         Actions         Minimize Object         Add         Delete         Promote	Object ID CH05		

#### On clicking the button this will minimize the chart



After clicking the button this chart will be disappear from sheet.

Step 2: Applying the action clear selection. select the button->give the name "clear selection"->Apply->ok

Text Clear selecti	Font Layo	ut Caption			Object ID
Alignment Cleft	Ocenter	Right			
Background Aqua Color		0 % Transparency	100 %	Enable Condition Print Settings	
	9		ОК	Cancel	Apply Help

Action Type:		
	Action	
Selection	Select in Field	
Layout	Select Excluded	
Bookmark	Select Possible	
Print	Toggle Select	
External	Forward	
	Back	
	Pareto Select	
	Lock Field	
	Lock All Unlock Field	
	Unlock All	
	Unlock and Clear All	
	Clear Other Fields	
	Clear All	
	Clear Field	
	OK Cancel Help	
w the button is created Clear selection		
	ne action back and forward	
eate 2 more buttons with th		
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ction Type:	Action
Selection	Select in Field
ayout	Select Excluded
Bookmark	Select Possible
Print	Toggle Select
External	Forward
	Back
	Pareto Select
	Lock Field
	Lock All
	Unlock Field
	Unlock All
	Unlock and Clear All
	Clear Other Fields
	Clear All
	Clear Field

now these three buttons are created on the sheet.



1<sup>st</sup> button will show you the selection you have done previously.

2<sup>nd</sup> button will clear all the selections made on the sheet.

3<sup>rd</sup> button will show you the next selection if done already before navigating back to some previous selection.

Step 3: goto the ->Add action button->goto the layout->here the

The option "Activate sheet "or "Activate object" are going to implement activate sheet or object respectively.

We have set the action that on clicking on the button / object it will open another sheet and for which we have given the ID of the sheet in the action tab. By add option the action will be set.

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d	Line/Arrow Properties []		
2	General Actions Layout Caption		
	Actions	Sheet ID	
	Activate Sheet	SH01	
	Add Delete		
	Promote Demote		
_			
-			
_			
		OK Cancel Apply Help	

This type of line will be created and after clicking on it you will connect to another website.



The click on button will link the current using sheet with another sheet......

Step 4: Go toward the book mark option this will give the 3 options If you have not creat bookmark from yet then go through create bookmark ,if you have already a book mark avialable then you can go through apply bookmark , in the bookmark you only can use one bookmark at a time so for using anothe one you can go through replace book mark.

dd Action		
Action Type:	Action	
Selection	Apply Bookmark	
Layout	Create Bookmark	
Bookmark	Replace Bookmark	
Print		
External		
	OK Cancel Help	

Step 5: print option will give you the facility to get as a print copy of the chart or sheet or object.

Step 6: Go to the External option->open Url->ok

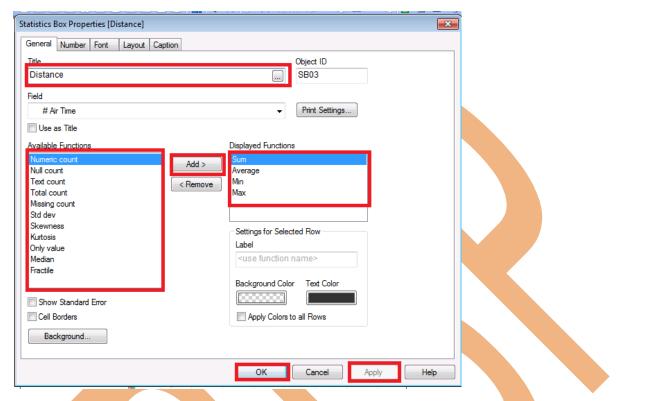
Add Action	
Action Type:	Action
Selection	Export
Layout	Launch
Bookmark	Open URL
Print	Open QlikView Document
External	Run Macro
	Set Variable
	Show Information
	Close This Document
	Reload
	Dynamic Update
	OK Cancel Help

Here we perform the action calling of url and give the url of the website

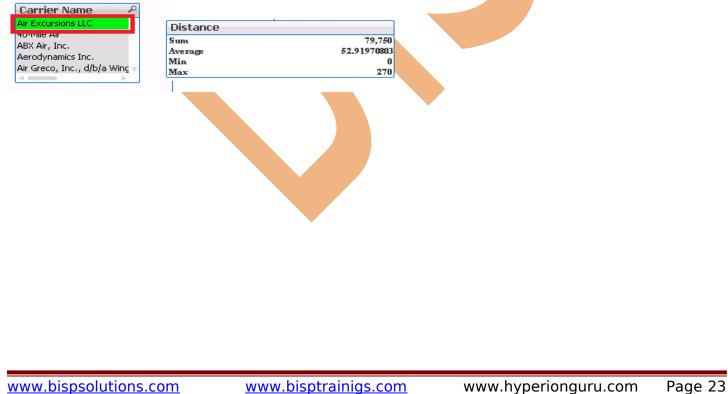
t Object Properties []	
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ctions	
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Add Delete	
Promote Demote	
	OK Cancel Apply Help
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Drive Innovative Decision With the Power of Business Discovery Wikview's Bi dashboards are targeted, task-specific a that put business users in the driver's seat. There's n to the questions you can ask, and no waiting for oid-fashioned static reports. QilkView lets you combin your data sources — then gives you instant answers i	Explore QlikView   Questions? Contact Us
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#### Statistic box:

This option is used for doing calculations with data like calculating sum, average, minimum and maximum. This box we create for calculating the distance it will calculate the sum, Average, min and max of the available distance for the given carrier(s).



This gives the Sum, Average, Min and the Max distance travelled of the carrier name "Air Excursions LLC".



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