

kx

it's about time



Dashboards for Kx

“How to” Guide





it's about time

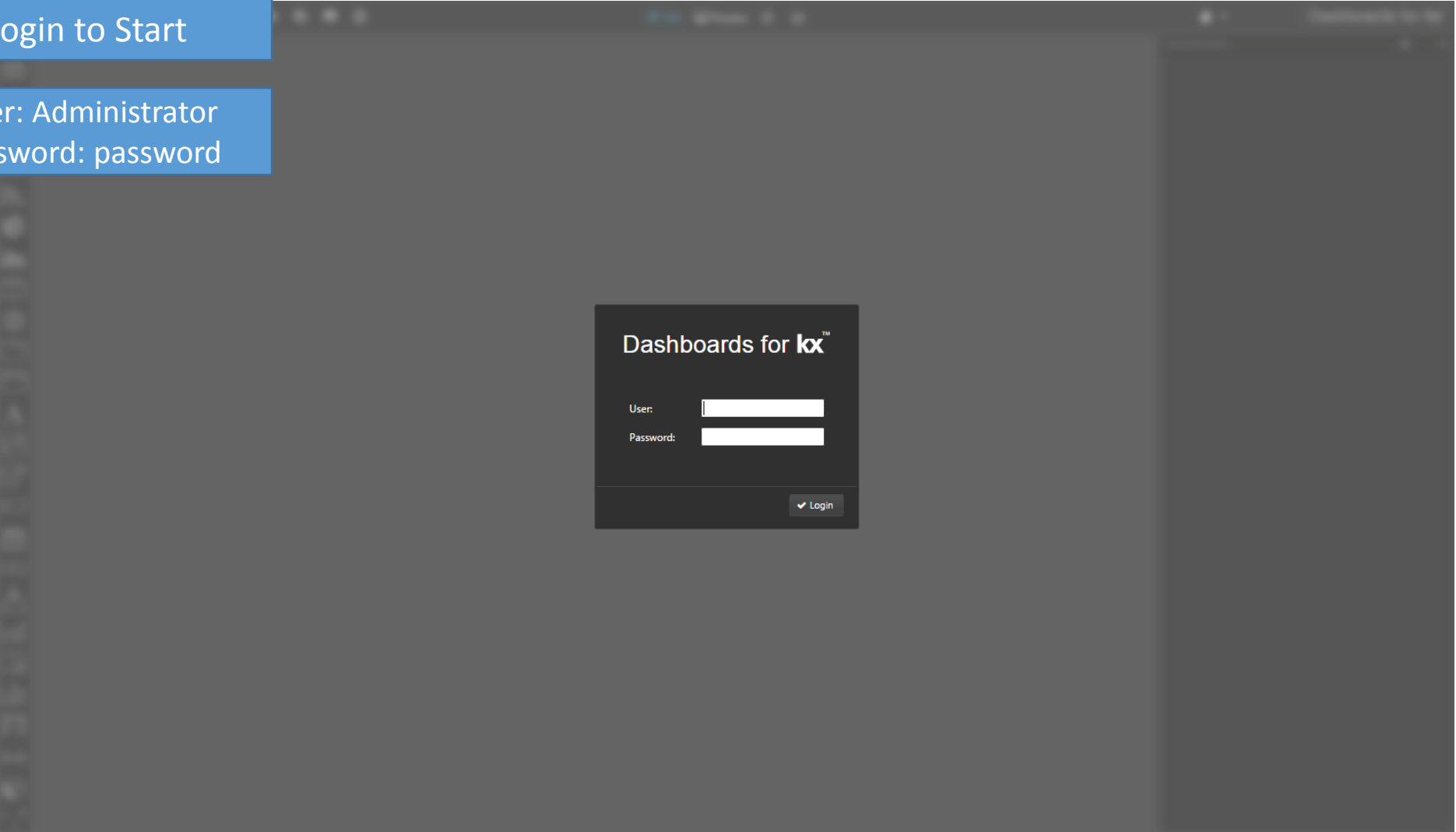
Setup

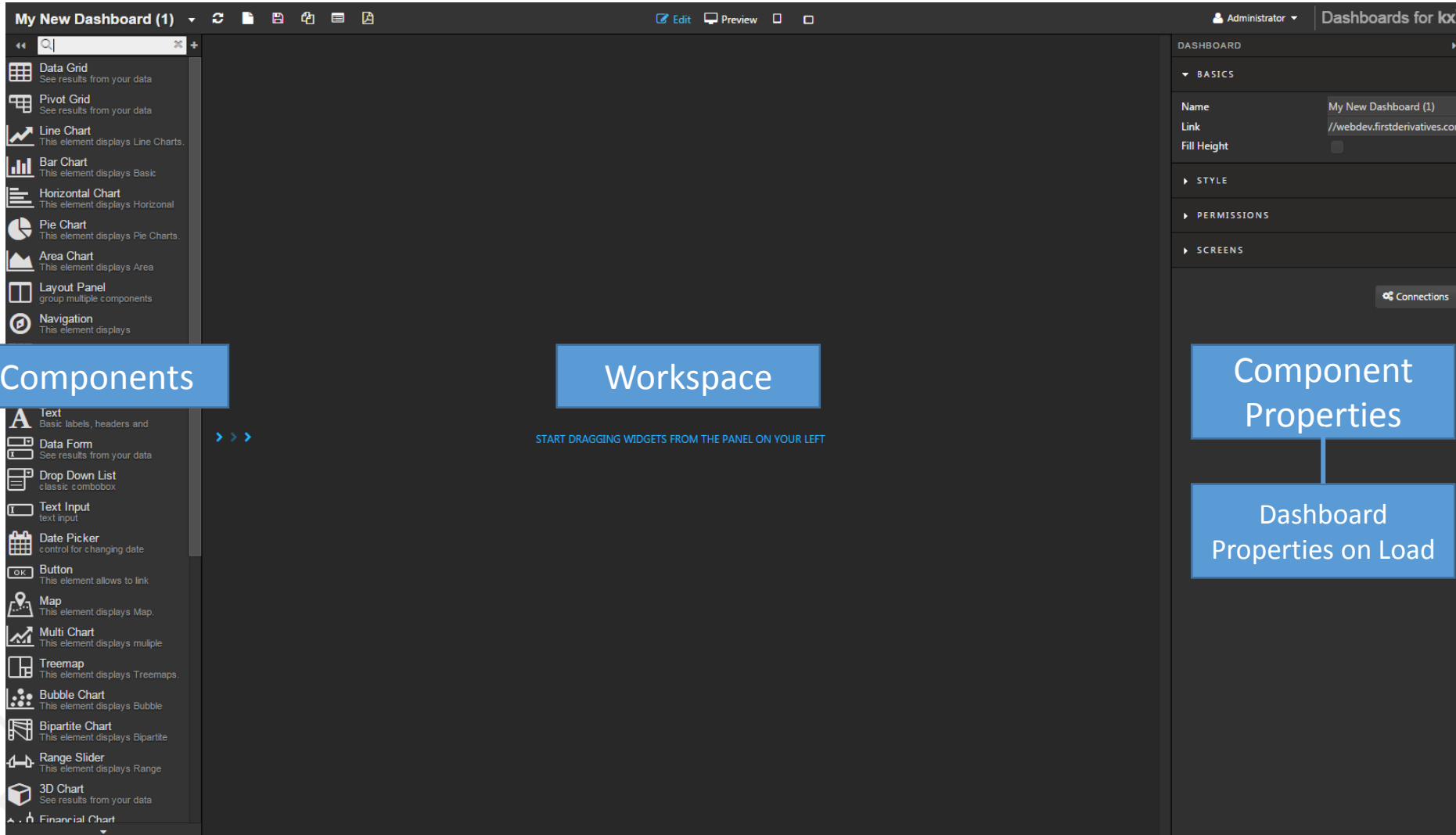
Dashboards v4.0.1 – “How to” Guide

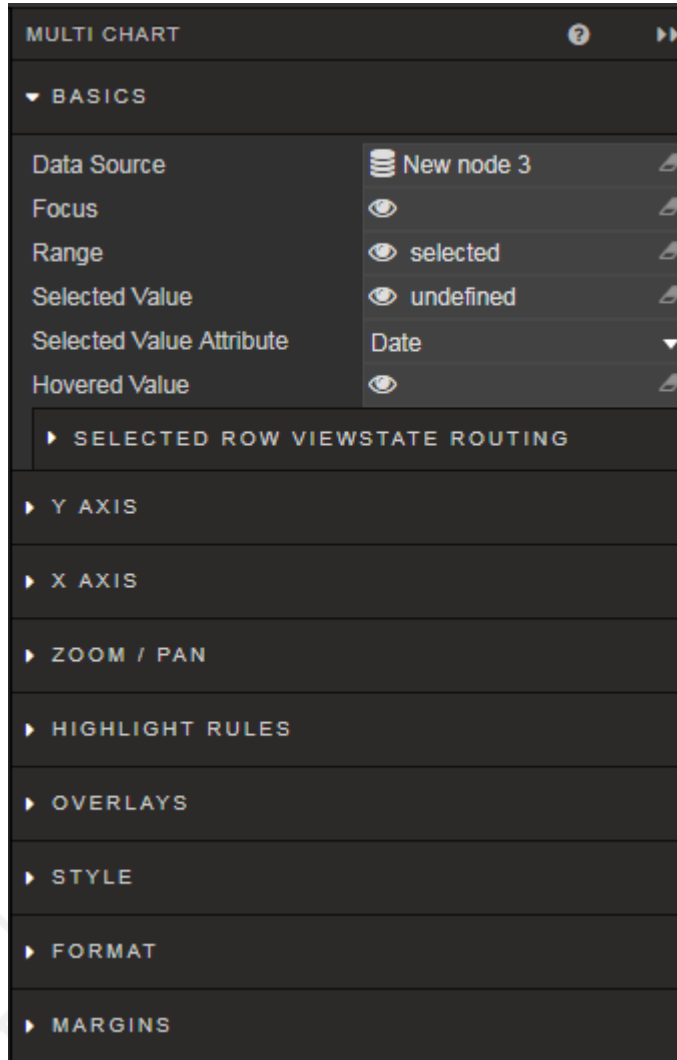


Login to Start

User: Administrator
Password: password







The Property Panel is used to configure component settings

In this document, screenshots of relevant sections of the component will be used to illustrate where configurations are required



Further information on configuring components can be found at <http://code.kx.com>

My New Dashboard (1) [Icons] Administrator | Dashboards for Kx

SEARCH

- Data Grid
- Pivot Grid
- Line Chart
- Bar Chart
- Horizontal Chart
- Pie Chart
- Area Chart
- Layout Panel
- Navigation
- Tab Control
- Accordion
- Text
- Data Form
- Drop Down List
- Text Input
- Date Picker
- Button
- Map
- Multi Chart
- Treemap
- Bubble Chart
- Bipartite Chart
- Range Slider
- 3D Chart
- Financial Chart

START DRAGGING WIDGETS FROM THE PANEL ON YOUR LEFT

DASHBOARD

▼ BASICS

Name My New Dashboard (5)

Link //webdev.firstderivatives.com

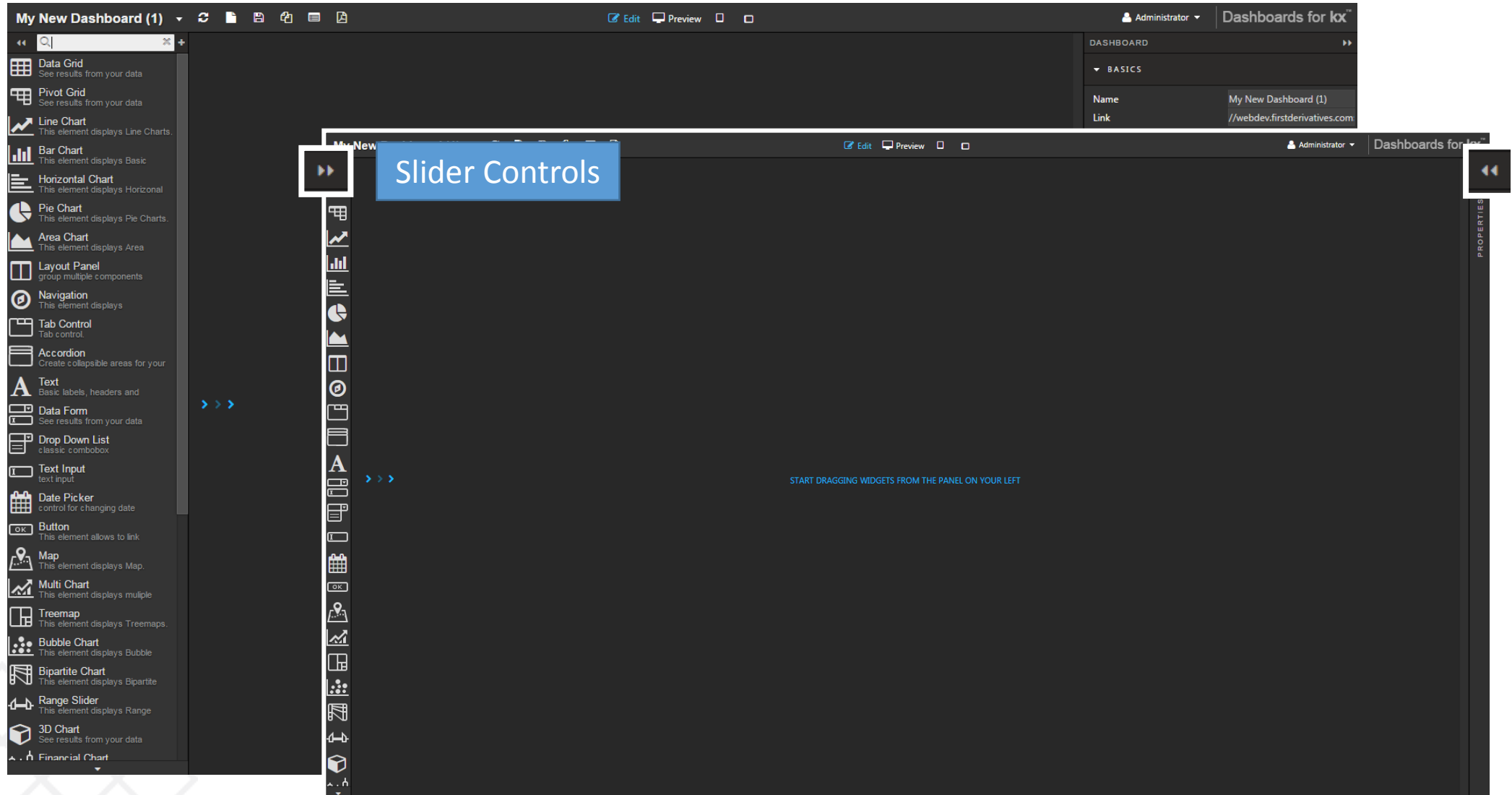
Fill Height

Connections

tip!

Set check mark in *Fill Height*

This will auto-fit your dashboard to different browser sizes



The screenshot shows the Kx dashboard interface. On the left is a sidebar with various chart and widget options. The main area is divided into two panels. The left panel displays a 'New Connection' dialog box with the following fields: Name (Local_version), Type (kdb), Host (HostPC), Port (5050), User, Password, and Confirm Password. At the bottom of this dialog are 'Cancel' and 'Save connection' buttons. The right panel shows the dashboard settings for 'My New Dashboard (1)', with a 'Connections' button at the bottom right. A blue callout box with white text points to the 'Connections' button, stating: 'Click Connections to set up database access'. A hand cursor icon is shown clicking the 'Save connection' button in the dialog and the 'Connections' button in the settings panel.

Connection 1

Name: html5eval_x
Type: kdb
Host: webdev
Port: 20070*
User: Administrator
Password: password

Connection 2

Name: html5eval_y
Type: kdb
Host: webdev
Port: 20071*
User: Administrator
Password: password

Connection Group

Group Name: html5eval_grp
Type: Mastered

html5eval_x
html5eval_y

*Sample Port Numbers – ensure there is no clash with existing port connections

This step is optional. The Dashboard Eval Pack used for this tutorial uses the Connection Group:
html5evalcongroup

FYI: When you want to create a New Dashboard

The screenshot shows the Kx dashboard interface. At the top, there is a header bar with the title "My New Dashboard (1)" and several icons: a refresh icon, a "New dashboard" icon (a yellow starburst), a save icon, a copy icon, a list icon, and a document icon. A hand cursor is pointing at the "New dashboard" icon. A blue callout box points to this icon with the text: "To create a dashboard, click the *New dashboard* icon".

Below the header, a modal dialog box titled "Name your dashboard" is open. It has a title bar with a close button. The main content area contains the text "Dashboard Name:" followed by a text input field containing "Name my Dashboard". At the bottom of the dialog are two buttons: "OK" and "Cancel".

The left sidebar contains a list of dashboard components with icons and brief descriptions, including Data Grid, Pivot Grid, Line Chart, Bar Chart, Horizontal Chart, Pie Chart, Area Chart, Layout Panel, Navigation, Tab Control, Accordion, Text, Data Form, Drop Down List, Text Input, Date Picker, Button, Map, Multi Chart, Treemap, Bubble Chart, Bipartite Chart, Range Slider, 3D Chart, and Financial Chart.

The right sidebar shows the dashboard configuration panel with sections for "BASICS", "STYLE", "PERMISSIONS", and "SCREENS". The "BASICS" section is expanded, showing fields for "Name" (My New Dashboard (1)), "Link" (//webdev.firstderivatives.com), and "Fill Height".

My New Dashboard (1) [Refresh] [New] [Save] [Copy] [List] [Close]

Administrator | Dashboards for kx

Save work regularly so as not to lose changes

START DRAGGING WIDGETS FROM THE PANEL ON YOUR LEFT

Dashboard Settings:

- BASICS**
 - Name: My New Dashboard (1)
 - Link: //webdev.firstderivatives.com
 - Fill Height: [Slider]
- STYLE**
- PERMISSIONS**
- SCREENS**

Connections

The screenshot shows the Kx dashboard editor interface. At the top, a toolbar contains icons for Edit, Preview, and Duplicate. A hand cursor is clicking the Duplicate icon. The main workspace is currently empty, with a message that says "START DRAGGING WIDGETS FROM THE PANEL ON YOUR LEFT". On the left side, there is a vertical panel of widget options, including Data Grid, Pivot Grid, Line Chart, Bar Chart, Horizontal Chart, Pie Chart, Area Chart, Layout Panel, Navigation, Tab Control, Accordion, Text, Data Form, Drop Down List, Text Input, Date Picker, Button, Map, Multi Chart, Treemap, Bubble Chart, Bipartite Chart, Range Slider, 3D Chart, and Financial Chart. On the right side, there is a configuration panel for the dashboard, showing fields for Name, Link, and Fill Height, and sections for Style, Permissions, and Screens. A "Connections" button is visible in the Screens section.

My New Dashboard (1) [Refresh] [Save] [Duplicate] [List] [Print]

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DASHBOARD

- ▼ BASICS
 - Name: My New Dashboard (1)
 - Link: //webdev.firstderivatives.com
 - Fill Height: [Slider]
- ▶ STYLE
- ▶ PERMISSIONS
- ▶ SCREENS
 - Connections

START DRAGGING WIDGETS FROM THE PANEL ON YOUR LEFT

Duplicating a dashboard will create an exact copy

Duplicated dashboard name will have "(1)" appended at the end

The screenshot shows the Kx dashboard interface. At the top, a toolbar for 'My New Dashboard (1)' includes icons for Edit, Preview, and a menu. A 'Manage Dashboards' dialog is open, displaying a list of dashboards. A callout box labeled 'Left-click' points to the 'open' button in the dialog's toolbar. The dashboard list includes:

Dashboard Name	Created/Modified
My New Dashboard (1)	22/06/2017 12:08:14
Dublin Jan	22/06/2017 14:19:24
My New Dashboard (5)	22/06/2017 14:24:38

The screenshot shows the Kx dashboard interface. On the left is a sidebar with various widget categories like Data Grid, Line Chart, Bar Chart, etc. The main area displays a 'Dashboards' panel with a list of dashboard entries. A context menu is open over the 'Dublin Jan' entry, showing options like 'open', 'view on web', 'delete', and an export icon. A green arrow points to the export icon with the text 'Left-click'. A blue callout box with the text 'Export Dashboard' is positioned above the context menu. The dashboard list includes entries like 'My New Dashboard (5)', 'Dublin Jan', and 'My New Dashboard (1)' with their respective last modified dates.

name	last modified
My New Dashboard (5)	06/2017 14:24:38
Dublin Jan	22/06/2017 14:19:24
My New Dashboard (1)	22/06/2017 12:08:14

The screenshot shows the Kx dashboard interface with a sidebar of visualization types on the left and a main dashboard area. A blue callout box labeled "Import Dashboard" points to a button in the top right of the dashboard area. A file explorer window is open in the foreground, showing a folder named "DF_Dashboards_DF" containing a list of files with names like "b39b0bdc-e49-2urs-b8tz-c8d3c4d5b5" and "DF_1_Scratch Rebuild DF". The file explorer also displays XML metadata for the selected file, including creation and update dates, and screen details.

Name	Date modified
b39b0bdc-e49-2urs-b8tz-c8d3c4d5b5	12/05/2017 10:10
387b3088-b2cb-9d55-47d-b259-c4bf08	12/05/2017 10:16
c5f6dbd8-5478-e670-728f-586ed2c8311	12/05/2017 10:11
22f18e4-56cf-c29d-3fcl-a60fd797c35f	12/05/2017 10:11
12f7ebcl-e5e5-a74a-5d0b-2ac0f8197c80	12/05/2017 10:11
d79421e4-2347-9bd5-3d3a-55cb70122b56	12/05/2017 10:11
6433afe6-ce74-a801-587e-724cd6ad27	12/05/2017 10:11
44fd3d3-b8cc-1908-7cea-797177556d61	12/05/2017 10:11
ab66772d-8c61-41ec-39fe-fc0b9546e076	12/05/2017 10:11
3fc2f36d-9ff-3cbf-38f6-3b06ae092e2a	12/05/2017 10:11
8605fb46-2a77-ba70-9ae1-5b54348ef4	12/05/2017 10:11
13b1490-9fa3-648-9b32-2f2413e89385	12/05/2017 10:11
8ecced86-ba3-5d8-3dab-af086ae42c1	12/05/2017 10:10
dec55bb3-1c61-5b00-234d-5c66f1f3427	12/05/2017 10:10
b0482f0-f1b6-aa7c-a83b-2c50a39d54e0	12/05/2017 10:10
e0969a6f-f37b-6b56-e5f0-8aa77d04f5dd	12/05/2017 10:10
26a7ad-43a-500b-76fc-d0356f429fc	12/05/2017 10:10
7cad79dc-d654-f960-535-ee012cd9cd2d	12/05/2017 10:10
32b0c314-fbeb-4663-9570-6d3dc62ae4af	12/05/2017 10:10
9b58b852-2dc6-5c7a-f6fd-579314fc8d9	12/05/2017 10:10
a22c5ddb-cd95-da04-c879-4c0c744af935	12/05/2017 10:10
4900df31-dace-611b-fbb2-96b760895d24	12/05/2017 10:10
1974da77-7022-b666-650d-2bda8f79c80e	12/05/2017 10:10
22f838b8-817a-54bb-15f4-aa5b11c5a	12/05/2017 10:10
232c2f8e-1934-9adf-1e67-e316db0f762f	12/05/2017 10:10
5d0bc147-101b-76c1-e62e-76d95a8c1411	12/05/2017 10:10

```
<ui>
  <name>7b09909d-334f-cdbb-9677-69bbb9bf2728</name>
  <displayName>DF_1_Scratch Rebuild DF</displayName>
  <description>{
    "creationDate": "Tue, 17 Nov 2015 15:34:32 GMT",
    "lastUpdateDate": "Fri, 05 May 2017 08:43:07 GMT",
    "tags": [],
  }</description>
  <data>{
    "id": "7b09909d-334f-cdbb-9677-69bbb9bf2728",
    "name": "DF_1_Scratch Rebuild DF",
    "creationDate": "Tue, 17 Nov 2015 15:34:32 GMT",
    "lastUpdateDate": "Fri, 05 May 2017 08:43:07 GMT",
    "thumb": null,
    "screenDetails": [
      {
        "label": "Screen 1",
        "value": "da595aa6-9366-52c4-50c5-a96b24326818"
      },
      {
        "label": "Screen 3",
        "value": "dbc6ac13-dc44-8bd0-cae2-c31f1aceda02"
      },
      {
        "label": "Screen 2",
        "value": "8ec13e5f-38b3-2379-2922-9d82da2639a"
      },
      {
        "label": "Screen 4",
        "value": "a3e51fce-6465-d8b6-6425-e86fd732c4a6"
      },
      {
        "label": "Screen 5",
        "value": "a1629f61-7d3b-d69d-e720-89d94a4c90bc"
      },
      {
        "label": "Screen 6",
        "value": "a69b345a-8e45-b048-9e7d-7e30b168556a"
      },
      {
        "label": "Screen 7",
        "value": "ef18539-335f-ab82-a5f9-34259f4b6a5c"
      },
      {
        "label": "Screen 8",

```



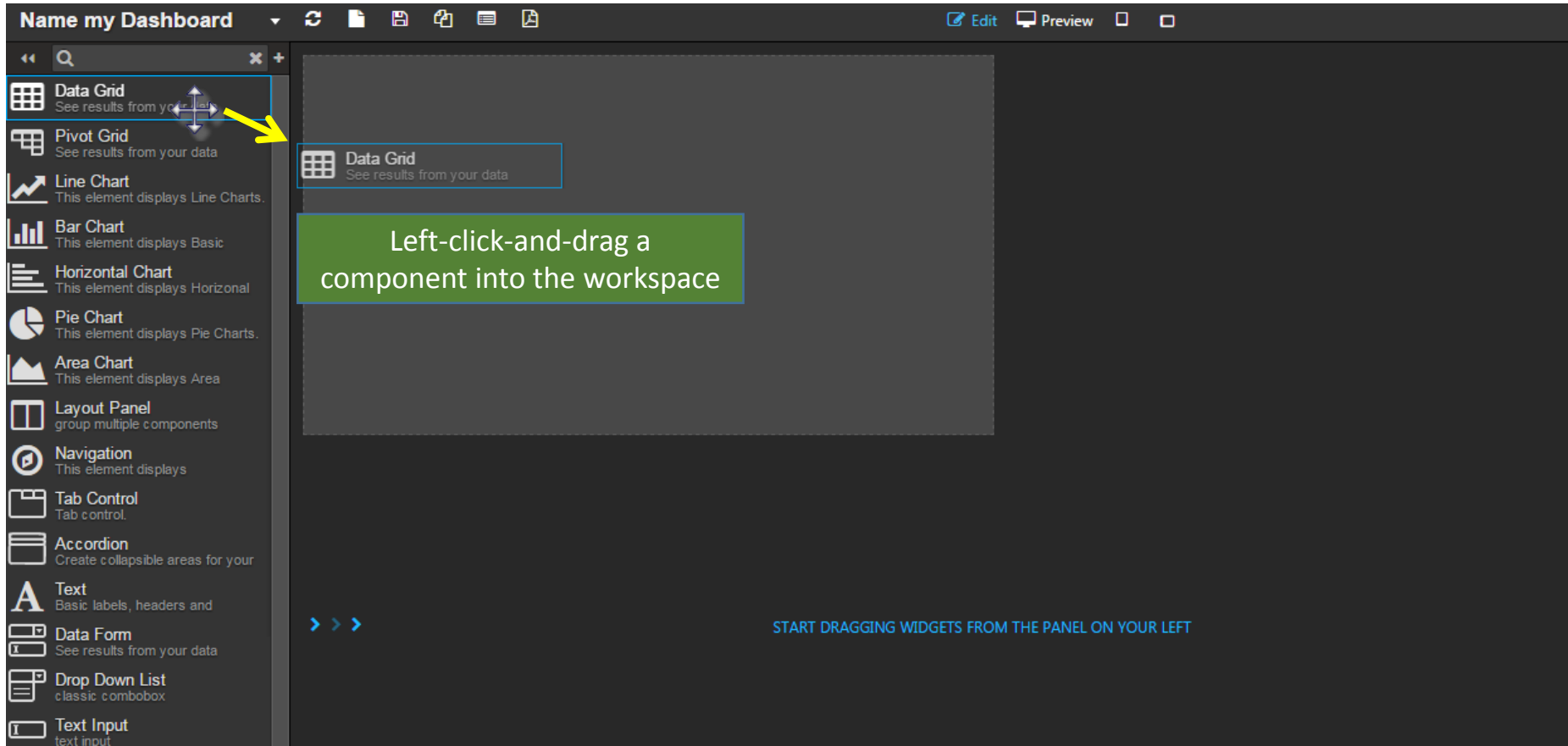
it's about time

Add a Data Grid Component

Dashboards for Kx – “How to” Guide



Drag a Component into the Workspace; e.g. Data Grid



The screenshot shows a dashboard editor interface. On the left is a component palette with various widgets. The main workspace contains a 'Data Grid' component with a light blue border and a 'Quick Search' input box. A configuration panel on the right is open, showing the 'BASICS' tab with options like 'Data Source', 'Filtering', 'Show Paging Control', 'Enable Grouping', 'Auto Collapse Grouping', and 'Keep NonExistent Columns'. A 'HIGHLIGHT RULES' section is also visible at the bottom of the panel.

Drag a column header and drop it here for grouping

Download CSV

Selected component will have a light blue border

Define a *Data Source*; left-click inside the input box to edit

Left-click inside box

DATA GRID

▼ BASICS

Data Source

Filtering

Quick Search

Show Paging Control

Enable Grouping

Auto Collapse Grouping

Keep NonExistent Columns

Custom Layout

ete

▼ HIGHLIGHT RULES

+ RULE

► STYLE

► SUMMARY ROW FOR GROUPINGS

► MARGINS

► FORMAT

Click on *New* to create a *Data Source*

Give *Data Source* a name; default is "New Node"

Name: **GroupName**

Subscription: Static Managed Polling

Key: Row Num Force Reset:

Results: Auto-exec Server paging Max rows: 2000

No Results

The screenshot shows the Kx Data Editor interface with several callout boxes:

- Connections Set Up**: Points to the top-left corner where the database connection is selected.
- Database type**: Points to the dropdown menu showing 'kdb' and 'ds_action_tracker'.
- Database Name**: Points to the 'ds_action_tracker' dropdown.
- Check to enable Pivot and Update Queries**: Points to the 'Pivot' and 'Update' checkboxes.
- Text-based q Editor**: Points to the main text area for writing queries.
- Or select predefined Analytic**: Points to the 'Analytic' radio button.
- Subscription: Static Managed Polling**: Points to the subscription type selection.
- Key: Row Num**: Points to the key selection dropdown.
- Force Reset:**: Points to the force reset checkbox.
- RESULTS: Auto-execute Server paging Max rows: 2000**: Points to the results configuration options.
- Results Data Tree Raw Output**: Points to the tabs for viewing query results.
- No Results**: Points to the message displayed in the results panel.
- Successful data query will populate results in this panel**: Points to the results panel area.
- Select Item Apply Close**: Points to the bottom navigation buttons.

Cut-and-paste* into Editor the following:

```
tab:flip
`Date`Kieran`George`Ivan`Conor`Tomas`Scott`Hugh`Niall!(2015.01.04
2015.01.05 2015.01.06 2015.01.07 2015.01.08;12.05 5.1154 8.554
7.1254 3.14478;2.145 5.144 11.587 0 1.0114;3.114 5.1145 0.1447
2.0445 1.255;8.1545 0 2.15465 5.1456 9.1544;11.5465 0 5.54456 3.224
11.574;0 1.254654 3.55 2.414 5.14;0 1 1 1 0;2.55 14.5 11.021 0 0)
```

Results: Auto-exec Max rows: 2000

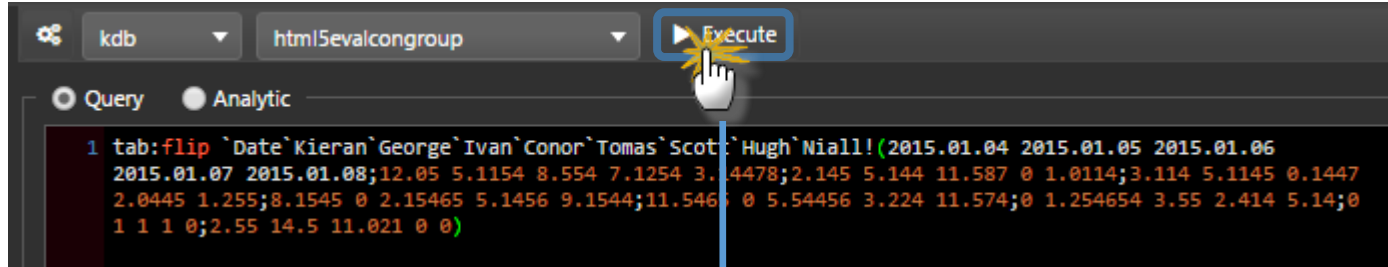
No Results

```
1 tab:flip `Date`Kieran`George`Ivan`Conor`Tomas`Scott`Hugh`Niall!(2015.01.04 2015.01.05 2015.01.06
2015.01.07 2015.01.08;12.05 5.1154 8.554 7.1254 3.14478;2.145 5.144 11.587 0 1.0114;3.114 5.1145 0.1447
2.0445 1.255;8.1545 0 2.15465 5.1456 9.1544;11.5465 0 5.54456 3.224 11.574;0 1.254654 3.55 2.414 5.14;0
1 1 1 0;2.55 14.5 11.021 0 0)
```

Because this is a self-contained query, the database connection doesn't matter.

! If you are pulling data from a database, ensure the database connection is correct.

! * When doing a cut-and-paste of queries into the editor watch for line-breaks on new rows which may break the query; delete to remove. Hand-typing a query will prevent this.



Results: Auto-exec Max rows: 100

Results Data Tree Raw Output

Date	Kieran	George	Ivan	Conor	Tomas	Scott
2015-01-04	12.0500	2.1450	3.1140	8.1545	11.5465	0.0000
2015-01-05	5.1154	5.1440	5.1145	0.0000	0.0000	1.2546
2015-01-06	8.5540	11.5870	0.1447	2.1547	5.5446	3.5500
2015-01-07	7.1254	0.0000	2.0445	5.1456	3.2240	2.4145

Select Item Apply Close

Important to populate data using the correct order:

1. Execute
2. Apply
3. Select Item

DF Rebuild II DF Edit Preview Click *Preview* to test your Dashboard Dashboards for kx™

Drag a column header and drop it here for grouping Download CSV

Date	Kieran	George	Ivan	Conor	Tomas	Scott	Hugh	Niall
2015-01-04	12.0500	2.1450	3.1140	8.1545	11.5465	0.0000	0	2.5500
2015-01-05	5.1154	5.1440	5.1145	0.0000	0.0000	1.2547	1	14.5000
2015-01-06	8.5540	11.5870	0.1447	2.1547	5.5446	3.5500	1	11.0210
2015-01-07	7.1254	0.0000	2.0445	5.1456	3.2240	2.4140	1	0.0000
2015-01-08	3.1448	1.0114	1.2550	9.1544	11.5740	5.1400	0	0.0000

Showing all 5 rows

- Name: **DataGridData**
- Connect to `html5eval_grp` (or `html5evalcongroup`)
- Max Rows: 1,000

select Type, Month, Group, Return, PerReturn, OpenDate, CloseDate
from TradeData

- Execute -> Apply -> Select

If doing a cut-and-paste of queries into the editor watch for line-breaks which can break the query; delete these line-breaks will restore functionality. Hand-typing a query will prevent this.



DataGridData
Data Grid



it's about time

Customize Data Grid

Dashboards for Kx – “How to” Guide



Configure Search Options for **GroupName**: Default is Quick Search



DATA GRID

▼ BASICS

- Data Source
- Filtering
- Show Paging Control
- Enable Grouping
- Auto Collapse Grouping
- Keep NonExistent Columns
- Custom Layout

New node

Quick Search

Quick Search

Column Filters

Advanced Column Filters

disabled

Toggle through Filter options

Drag a column header and drop it here for grouping

Excel | CSV

Date	Kieran	George	Ivan	Conor	T...
2015-01-04	12.0500	2.1450	3.1140	8.1545	1
2015-01-05	5.1154	5.1440	5.1145	0.0000	
2015-01-06	8.5540	11.5870	0.1447	2.1547	
2015-01-07	7.1254	0.0000	2.0445	5.1456	
2015-01-08	3.1448	1.0114	1.2550	9.1544	1

Showing all 5 rows

Change Width (relative) to best display data

Drag a column header and drop it here for grouping Excel | CSV

Date	Kieran	George	Ivan	Conor
2015-01-04	12.0500	2.1450	3.1140	8.1545
2015-01-05	5.1154	5.1440	5.1145	0.0000
2015-01-06	8.5540	11.5870	0.1447	2.1547

COLUMNS

COLUMN 1 DATE

User Defined

Data Field Name

Display Name

Width (relative)

Min Width (px)

How does *Width (relative)* work?

Width (relative) applies a scale across all data columns. If *Width (relative)* is set to "1"; i.e. same value, then each column will have the same width.

However, if one column is set to "2", then the relative width of the column will change, contingent on the total number of columns displayed.

For example:

Width (relative) for a five column data grid is "2", "1", "1", "1", "1".

Total *Width (relative)* = 2+1+1+1+1 = 6

Relative width for each column is therefore: *Width (relative)* / Sum of *Width (relative)*

Relative width = (2/6), (1/6), (1/6), (1/6), (1/6)

Relative width = 33%, 16%, 16%, 16%, 16%

Note: *Min Width (px)* will also influence *Width (relative)*. Set *Min Width (px)* to zero for all columns if only *Width (relative)* is to be used

Column 1 Date = *Format: Date and Date Format: DD/MM/YYYY and Width (relative): 15*

Columns 2-9 = *Format: Formatted Number and Precision: 2 and Width (relative): 10*

Drag a column header and drop it here for grouping Excel | CSV

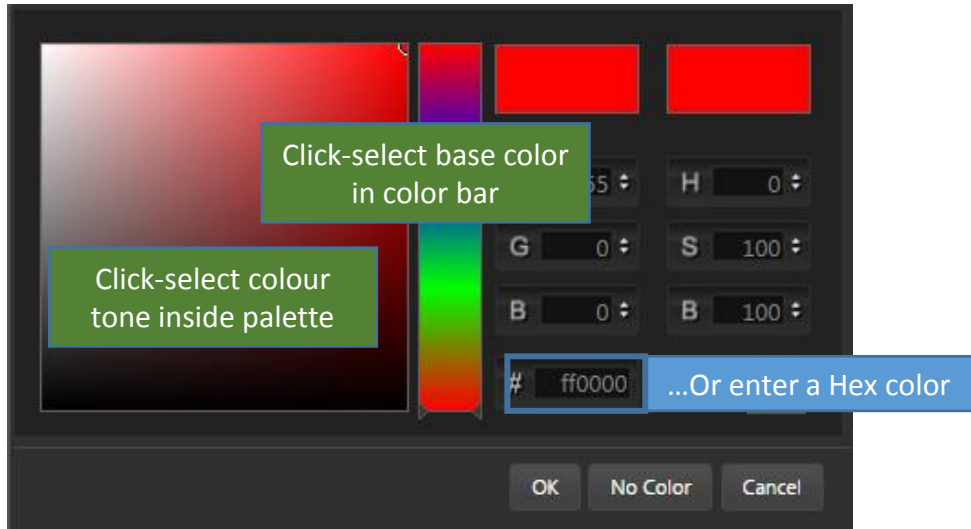
Date	Kieran	George	Ivan	Conor	Tomas	Scott	Hugh	Niall
04/01/2015	12.05	2.15	3.11	8.15	11.55	0.00	0.00	2.55
05/01/2015	5.12	5.14	5.11	0.00	0.00	1.25	1.00	14.50
06/01/2015	8.55	11.59	0.14	2.15	5.54	3.55	1.00	11.02
07/01/2015	7.13	0.00	2.04	5.15	3.22	2.41	1.00	0.00
08/01/2015	3.14	1.01	1.25	9.15	11.57	5.14	0.00	0.00

Showing all 5 rows

▼ COLUMN 2 KIERAN

- User Defined
- Data Field Name
- Display Name Kieran
- Width (relative) 80
- Min Width (px) 140
- Text Align right
- Sortable
- Format
- Precision
- Hide Trailing Zeroes
- Currency Symbol none
- Date Format
- Time Format

Set Min / Max value for a numeric column



Drag a column header and drop it here for grouping

Excel | CSV

Date	Ivan	Kieran	George	Conor	Tomas	Scott	Hugh	Niall
2015-01-04	3.11	12.05	2.15	8.15	11.55	0.00	0.00	2.55
2015-01-05	5.11	5.12	5.14	0.00	0.00	1.25	1.00	14.50
2015-01-06	0.14	8.55	11.59	2.15	5.54	3.55	1.00	11.02
2015-01-07	2.04	7.13	0.00	5.15	3.22	2.41	1.00	0.00
2015-01-08	1.25	3.14	1.01	9.15	11.57	5.14	0.00	0.00

Showing all 5 rows

Set Min/Max Value color for each column

Step: 1

STYLE

- Row Height: 30
- Even Row Background
- Odd Row Background
- Selected Row Background
- Header Text Transformation: none
- Header Font Weight
- Font Family
- Font Size
- Advanced CSS

Left-click

Step: 2

Advanced CSS

Click the icon to choose an element

Left-click

Step: 3

div#slickgrid_554995Date0.ui-state-default.slick-header-column.right.slick-header-sortable.ui-sortable-handle.ui-state-hover

Date	Ivan	Kieran	George	Conor	Tomas	Scott	Hugh	Niall
2015-01-04	3.11	12.05	2.15	8.15	11.55	0.00	0.00	2.55
2015-01-05	5.11	5.12	5.14	0.00	0.00	1.25	1.00	14.50

Left-click

Step: 4

Advanced CSS

```
1 [data-widgetid="75a68675-9aa0-1c0e-3aaa-af0bd9512f45"] div.Datagrid.Dark > div.datagridFrame > div.pn1Grid > div.slick-header > div.slick-header-columns > div.slick-header-column.right.slick-header-sortable{  
2   color:red;  
3 }
```

Add CSS: e.g. "color:red;"

Step 6: RESULT:

Drag a column header and drop it here for grouping

Excel | CSV

Date	Ivan	Kieran	George	Conor	Tomas	Scott	Hugh	Niall
2015-01-04	3.11	12.05	2.15	8.15	11.55	0.00	0.00	2.55

Step: 5

Apply Close

Left-click

Use Template to Apply Format to Column

Step: 1

The screenshot shows the configuration panel for a column named 'DATE'. The 'Format' dropdown is set to 'Date'. A yellow box highlights the 'Date' option in the 'Format' dropdown. A green box with a mouse cursor and the text 'Left-click' points to the 'Date' option.

Step: 2

The screenshot shows the 'Template Editor' window. A green box with a mouse cursor and the text 'Left-click' points to the first row of the editor.

Step: 3

The screenshot shows the 'Template Editor' window with the following code: `1 {{Date}}`. A yellow box highlights the `{{Date}}` expression.

The screenshot shows the 'Templating Help' page. It includes a 'Getting Started' section with the text: 'Creating a template looks like regular HTML, with embedded expressions.' Below this is an example of a template: `<div>My symbol is: {{sym}}</div>`. It also includes a 'Basic Usage' section with an example of an iteration: `<div>My symbols are:
{{each this}}
 {{sym}}</div>`.

Set font color for *Date* column. Remember to enclose variable name inside `{{}}` as it appears in database

Drag a column header and drop it here for grouping

Date	Ivan	Kieran	George	Conor
2015.01.04	3.11	12.05	2.15	8.15
2015.01.05	5.11	5.12	5.14	0.00
2015.01.06	0.14	8.55	11.59	2.15
2015.01.07	2.04	7.13	0.00	5.15
2015.01.08	1.25	3.14	1.01	9.15



Template formats will overwrite any highlight rules applied to the column

COLUMNS

COLUMN 1 DATE

- User Defined
- Data Field Name
- Display Name
- Width (relative)
- Min Width (px)
- Text Align
- Sortable
- Format
- Precision
- Hide Trailing Zeroes
- Currency Symbol
- Date Format
- Time Format
- Negative Color
- Highlight Changes
- Highlight Change Duration
- Show arrows on Change
- Min Value Color
- Max Value Color
- Range Color
- Percentage Color
- Read Only
- Template
- Hidden

FILE EXPORT

Show Export Csv Button

CSV FILENAME

FILENAME PART	Last Filename Part
samplecsv	

+

HIGHLIGHT RULES

RULE 1 PRIOR VALUE

Name	Prior Value
Target	Return
Condition Source	Return
Condition Operator	>
Condition Value	previous value
Color	
Background Color	
Border Color	
Icon	
Icon Color	

+ RULE

STYLE

- Row Height
- Even Row Background
- Odd Row Background
- Selected Row Background
- Header Text Transformation
- Header Font Weight
- Font Family
- Font Size
- Advanced CSS

FORMAT

- Title
- Title Font Size
- Title Font Color
- Title Bold
- Title Shadow

Trade Performance
Trade History
Chart
News
Social Media

Asset ✕
Trader ✕
Leverage ✕

TYPE	MONTH	ASSET	GROUP	TRADER	AMOUNT	LEVERAGE	OPENRATE	CLOSERATE	RETURN (\$)	
EUR/GBP (45 items) AVG PerReturn: 1.6831 AVG Leverage: 19.4444										
John (26 items) AVG PerReturn: -0.4088 AVG Leverage: 14.4231										
5.0000 (1 items) AVG PerReturn: -0.7300 AVG Leverage: 5.0000										
Long	4	EUR/GBP	Forex	John	3,000.0000	5.0000	0.7229	0.7219	-22.0000	
10.0000 (17 items) AVG PerReturn: -1.5576 AVG Leverage: 10.0000										
Long	8	EUR/GBP	Forex	John	10,000.0000	10.0000	0.7040	0.7040	0.0000	
Short	8	EUR/GBP	Forex	John	10,000.0000	10.0000	0.7147	0.7155	-125.0000	
Long	8	EUR/GBP	Forex	John	15,000.0000	10.0000	0.7088	0.7060	-650.0000	
Short	8	EUR/GBP	Forex	John	15,000.0000	10.0000	0.7034	0.7055	-488.0000	

GROUPING COLUMNS

COLUMN	
Asset	
Trader	
Leverage	

+ GROUPING COLUMN

Groupings are done by *Data Source* columns.

Groupings can include pre-determined calculations of dependent data

SUMMARY ROW FOR GROUPINGS

SUMMARY 1

Column: PerReturn

Aggregate Function: AVG

Label:

Color:

SUMMARY 2

Column: Leverage

Aggregate Function: AVG

Label:

Color:

SUMMARY 3

Column: Type

Aggregate Function: SUM

Label:

Color:

+ SUMMARY

- For: **DataGridData**
- Ensure each column has a valid *Display Name*; e.g. *PerReturn* = “% Return”
- *Format Month* and *Return* at *Precision: 0*
- *Format PerReturn* as *Percentage*
- Apply a *Range Color* to *Return*
- Set a *Negative Color* to *Return*
- Create a *Summary Grouping* for **Type** and **Group**
- Create a *Summary Row for Grouping* for *Avg Return*



it's about time

Adding Input Parameters

Dashboards for Kx – “How to” Guide



- Create a new query: **DataGrid2**
- Connect to `html5eval_grp` (or `html5evalcongroup`)
- Add the following query

```
{[trade;mnth;asset] select Type, Month, Group, Return, PerReturn, OpenDate, CloseDate  
from TradeData where Type=trade, Month=mnth, Group=asset}
```

- Use pre-set values for added query Parameters:
 - *trade* is Type symbol and Value = Long
 - *mnth* is Type int and Value = 12
 - *asset* is Type symbol and Value = Forex
- Execute -> Apply -> Select

Drag a column header and drop it here for grouping Download CSV

Type	Month	Group	Return	PerReturn	OpenDate	CloseDate
Long	12	Forex	1,865.0000	24.8700	2015-12-21	2015-12-30
Long	12	Forex	23.0000	14.0200	2015-12-29	2015-12-30
Long	12	F				
Long	12	F				
Long	12	F				
Long	12	F				
Long	12	F				

Showing all 8 rows

Query Analytic Virtual Pivot Update

```
1 {[trade;mnth;asset] select Type, Month, Group, Return, PerReturn, OpenDate, CloseDate
2 from TradeData where Type=trade, Month=mnth, Group=asset}
```

trade	symbol	Long
mnth	int	12
asset	symbol	Forex

Added Parameters will appear below the data editor

Query Analytic Virtual Pivot Update

```
1 {[trade;mnth;asset] select Type, Month, Group, Return, PerReturn, OpenDate, CloseDate  
2 from TradeData where Type=trade, Month=mnth, Group=asset}
```

trade	symbol	Long
mnth	int	12
asset	symbol	Forex

Rollover to view Icons

trade	symbol	Long
mnth	int	12
asset	symbol	Forex

Click the Eye icon+ to map the query parameter to a dashboard View State Parameter

trade	symbol	New node 2/trade
mnth	int	12
asset	symbol	Forex

View State Parameter	Type	Value
Trade	symbol	Long
mnt	int	12
asset	symbol	Forex

View State Parameter	Type	Value
Trade	symbol	Long
mnt	int	12
asset	symbol	Forex

Type: symbol
Default: Long
Value: Long

Select Item Cancel

Click the Eye icon open the View State Parameter menu

Ensure the correct Type is assigned to your data

Set a Default Value which will carry to the Value (filled on load)

Repeat for *mnt* and *asset*

The image displays three overlapping screenshots of a DataGrid2 interface, illustrating different view states for a tree structure. Each screenshot shows a tree view with a 'Root' node containing a 'New node 3' folder, which in turn contains 'asset', 'mntn', 'trade', and 'selected' nodes. Below the tree view is a 'Properties' panel with fields for 'Type', 'Default', and 'Value'.

- Left Screenshot:** The 'trade' node is selected. The 'Properties' panel shows: Type: symbol, Default: Long, Value: Long.
- Middle Screenshot:** The 'mntn' node is selected. The 'Properties' panel shows: Type: int, Default: 12, Value: 12.
- Right Screenshot:** The 'asset' node is selected. The 'Properties' panel shows: Type: symbol (dropdown), Default: Forex, Value: Forex.

Type	Month	Group	Return	PerReturn	OpenDate	CloseDate
Long	12	Forex	1,865.0000	24.8700	2015-12-21	2015-12-30
Long	12	Forex	23.0000	14.0200	2015-12-29	2015-12-30
Long	12	Forex	-413.0000	-5.5100	2015-12-22	2015-12-22
Long	12	Forex	-303.0000	-5.0500	2015-12-18	2015-12-21
Long	12	Forex	-315.0000	-5.2500	2015-12-17	2015-12-17
Long	12	Forex	2.0000	1.2200	2015-12-17	2015-12-17
Long	12	Forex	-506.0000	-6.7500	2015-12-14	2015-12-15

Showing all 8 rows

Use Column Formats to improve the visual look of the Data Grid

The screenshot shows a dashboard interface with a sidebar on the left containing various component options. The 'Data Form' component is highlighted with a yellow arrow, indicating it is being added to the main workspace. The main workspace contains a data grid with the following data:

Type	Month	Group	Return	PerReturn	OpenDate	CloseDate
Long	12	Forex	1,865.0000	24.8700	2015-12-21	2015-12-21
Long	12	Forex	23.0000	14.0200	2015-12-29	2015-12-29
Long	12	Forex	-413.0000	-5.5100	2015-12-22	2015-12-22
Long	12	Forex	-303.0000	-5.0500	2015-12-18	2015-12-18
Long	12	Forex	-315.0000	-5.2500	2015-12-17	2015-12-17
Long	12	Forex	2.0000	1.2200	2015-12-17	2015-12-17
Long	12	Forex	-506.0000	-6.7500	2015-12-14	2015-12-14
Long	12	Forex	-345.0000	-4.6000	2015-12-09	2015-12-09

Below the table, there is a pagination control showing 'Showing all 8 rows' and a search input field.

DATA FORM

▼ BASICS

Data Source → DataGrid2

Submit Button Text Submit

Expand Dict Parameters

Force Execute on Submit

Show Reset →

Show Submit

VIEWSTATE PARAMETERS

- ▶ TRADE
- ▶ MNTH
- ▶ ASSET

DataGrid 2 applied to *Data Source* of *Data Form*

Drag a column header and drop it here for grouping

Excel | CSV

Type	Month	Group	Return	PerReturn	OpenDate
Long	12	Forex	1,865.0000	24.8700	2015-12
Long	12	Forex	23.0000	14.0200	2015-12
Long	12	Forex	-413.0000	-5.5100	2015-12
Long	12	Forex	-303.0000	-5.0500	2015-12
Long	12	Forex	-315.0000	-5.2500	2015-12
Long	12	Forex	2.0000	1.2200	2015-12

Showing all 8 rows

Trade: Long | Mnth: 12 | Asset: Forex | Reset

Submit

Data Form will use default values of *View State Parameters* to populate *Data Form* input boxes.

Asset	Mnth	Trade
Forex	12	Long
Commodity	11	Short
Equity	10	
	9	
	8	
	7	
	6	
	5	
	4	
	3	
	2	

Step: 1 Click-and-drag in a *Drop Down* component

The screenshot shows the Kx component palette on the left with 'Drop Down List' (classic combobox) selected. A yellow arrow points to the 'Drop Down List' component in the properties panel on the right. The properties panel shows: 'Data Source' set to 'Dropdown', 'Selected Value' set to 'select', and 'Use Data Source' checked.

Step: 2 Create a Data Source which parses the individual categories – in this case, Month

Cut-and-paste into **Dropdown Data Source Editor** (html5evalcongroup)

([[]Month: asc exec distinct Month from TradeData)

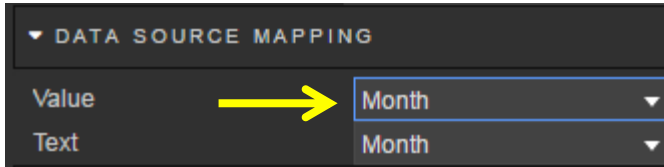
The screenshot shows the Kx Data Source Editor with a query: `([[]Month: asc exec distinct Month from TradeData)`. The editor also shows a tree view with 'DataGrid2' and 'Dropdown' components.

Step: 3 Map the *Selected Value* of the dropdown to the *View State Parameter* of *Mnth* used by *DataGrid2*

The screenshot shows the Kx properties panel with 'Selected Value' mapped to 'DataGrid2/mnth'.

Continued...

Step: 4 Set the *Data Source Mapping*

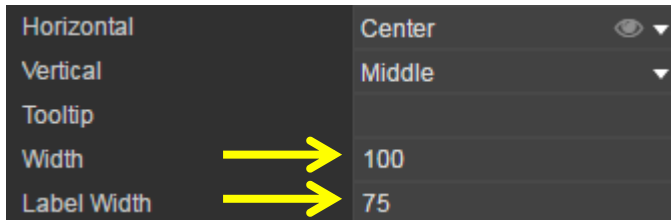


Value and *Text* can be separate columns if defined in *Data Source*

Step: 5 Preview



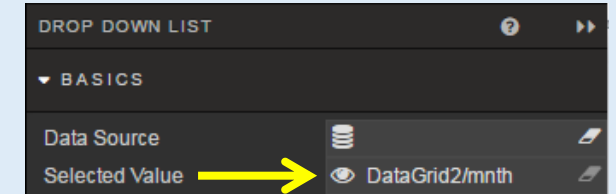
Change label size, dropdown width and description



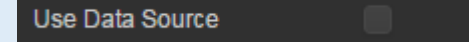
Use *Selected Row Viewstate Routing* to assign selected value to other view state parameters

Alternative

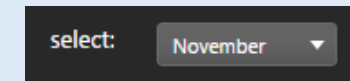
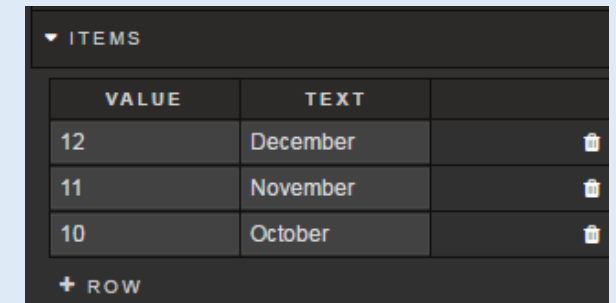
Step: 1 Set *Selected Value* to View State Parameter to **DataGrid2 Mnth**



Step: 2 Uncheck *Use Data Source*

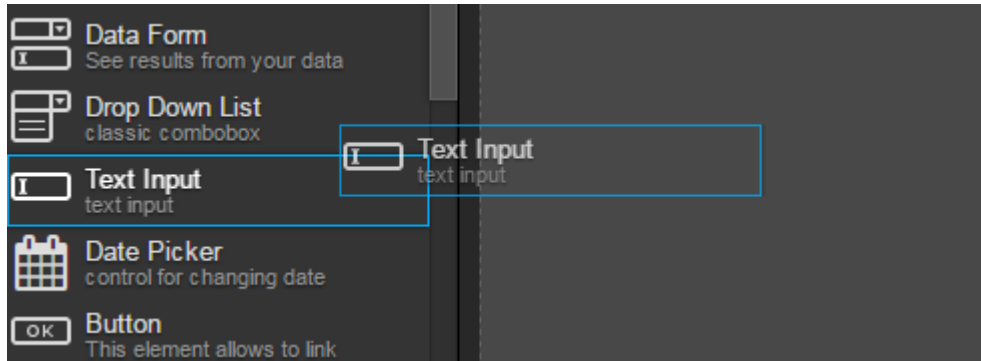


Step: 3 Define *Items: Values and Text*



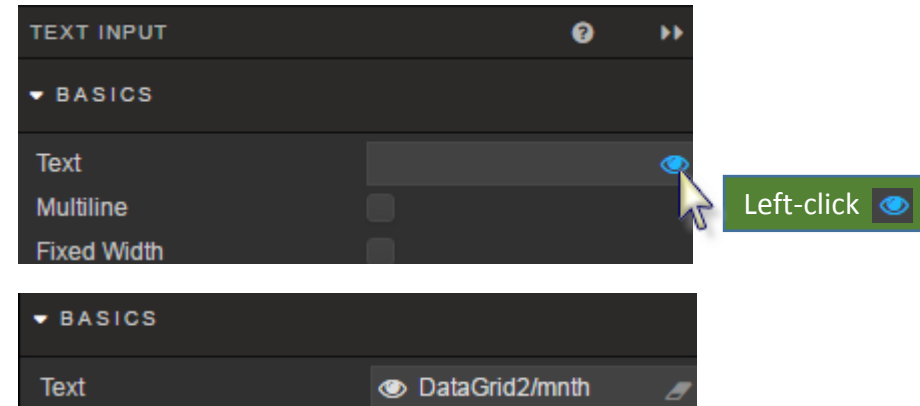
Step: 1

Click-and-drag in a *Text Input* component



Step: 2

Map the *Selected Value* to the *View State Parameter*, *Mnth* used by **DataGrid2**



Step: 3

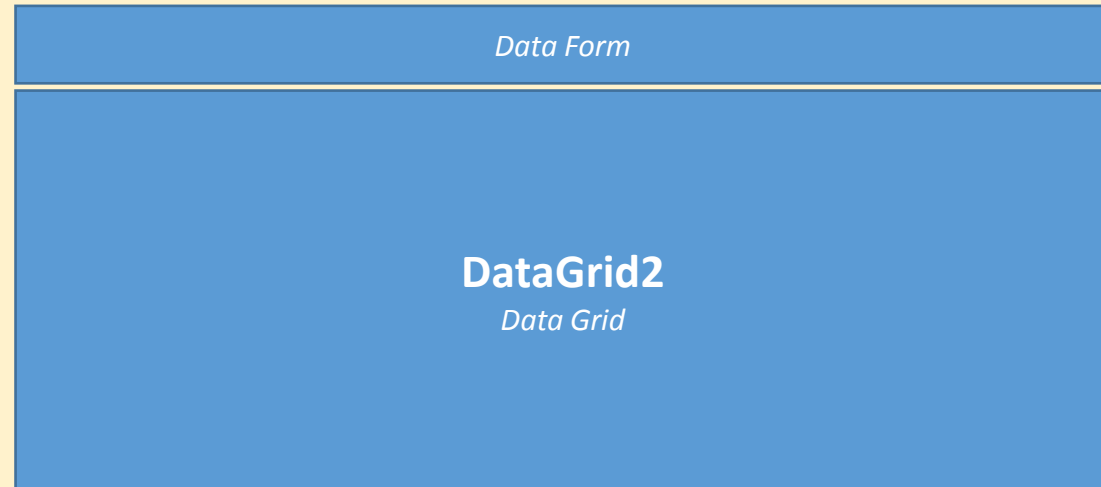
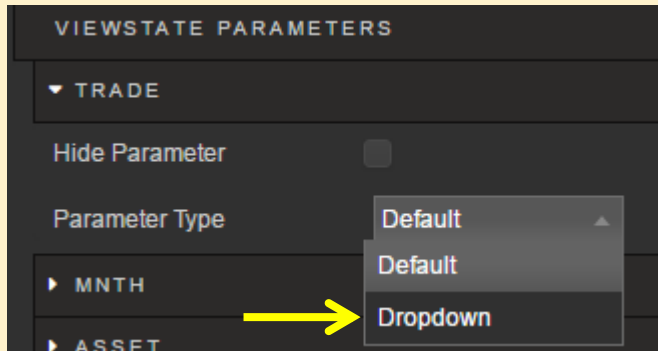
Preview

Preview



User has freedom to input any value; out of range values will return a blank Data Grid

- Using **DataGrid2** configure a Dataform to use a dropdown for each *View State* of *mntn*, *asset* and *trade*





it's about time

Row Selection

Dashboards for Kx – “How to” Guide



Step 1: Open **GroupName** Data Grid

Drag a column header and drop it here for grouping Excel | CSV

Date	Ivan	Kieran	George	Conor	Tomas	Scott	Hugh	Niall
2015.01.04	3.11	12.05	2.15	8.15	11.55	0.00	0.00	2.55
2015.01.05	5.11	5.12	5.14	0.00	0.00	1.25	1.00	14.50
2015.01.06	0.14	8.55	11.59	2.15	5.54	3.55	1.00	11.02
2015.01.07	2.04	7.13	0.00	5.15	3.22	2.41	1.00	0.00
2015.01.08	1.25	3.14	1.01	9.15	11.57	5.14	0.00	0.00

Showing all 5 rows

Step 2: Create *View State Parameters* for each user

Select View State...

New Rename Delete

- Root
 - DataGrid2
 - Names
 - Conor
 - George
 - Hugh
 - Ivan
 - Kieran
 - Niall
 - Scott
 - Tomas
 - Type

Properties

Type: float **Use Type: Float**

Default:

Value:

Select Item Cancel

Continued...

Step: 3 **Enable Row Selection in GroupName Data Grid**

COLUMN	VIEWSTATE 2	CLICK	
Kieran	Names/k	<input type="checkbox"/>	
Ivan	Names/v	<input type="checkbox"/>	
George	Names/C	<input type="checkbox"/>	
Conor	Names/C	<input type="checkbox"/>	

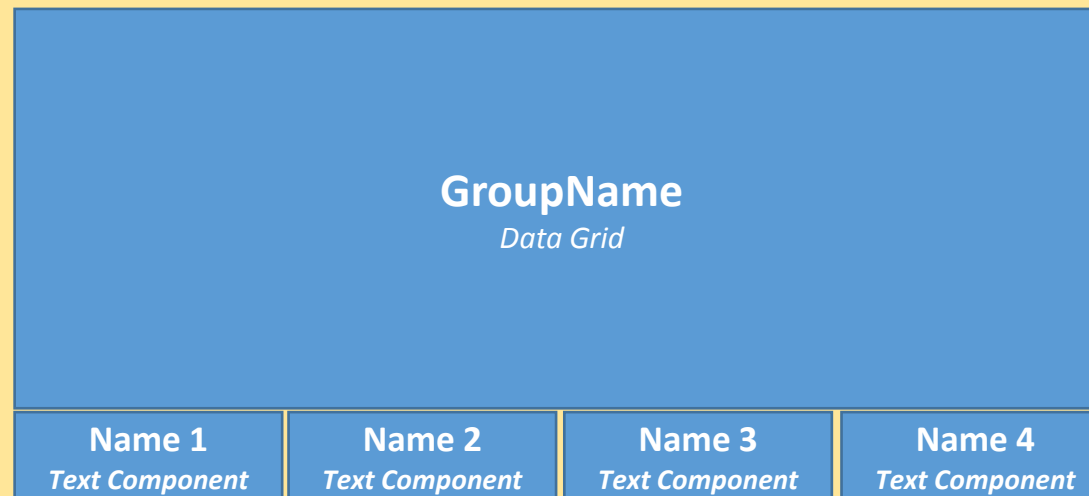
In Selected Row Viewstate Routing map Data Source Column to named Viewstate

Step: 4 **Add a Text component and Link to a named Viewstate**

Step: 5 **Preview: Select Row**

Date	Ivan	Kieran	George	Conor	Tomas	Scott	Hugh	Niall
2015.01.04	3.11	12.05	2.15	8.15	11.55	0.00	0.00	2.55
2015.01.05	5.11	5.12	5.14	0.00	0.00	1.25	1.00	14.50
2015.01.06	0.14	8.55	11.59	2.15	5.54	3.55	1.00	11.02
2015.01.07	2.04	7.13	0.00	5.15	3.22	2.41	1.00	0.00
	1.25	3.14	1.01	9.15	11.57	5.14	0.00	0.00

- Create a view state routing for each named individual
- Associate each view state with a text output, so user can view values for each user when a row is selected.





it's about time

Date Picker

Dashboards for Kx – “How to” Guide



Support for date picker requires a little modification to the query to support a date range. Create two new data sources:

- Create Data Source: **SourceDate**
- Connection: `html5eval_grp` (or `html5evalcongroup`)

```
([start: asc exec distinct OpenDate from TradeData)
```

- Create Data Source: **DateRange**
- Connection: `html5eval_grp` (or `html5evalcongroup`)

```
{[start;end] select Type, Month, Group, Return, PerReturn, OpenDate, CloseDate from TradeData where OpenDate within (start;end)}
```

- Map query parameters, *start* and *end* to dashboard view states: *start* and *end*

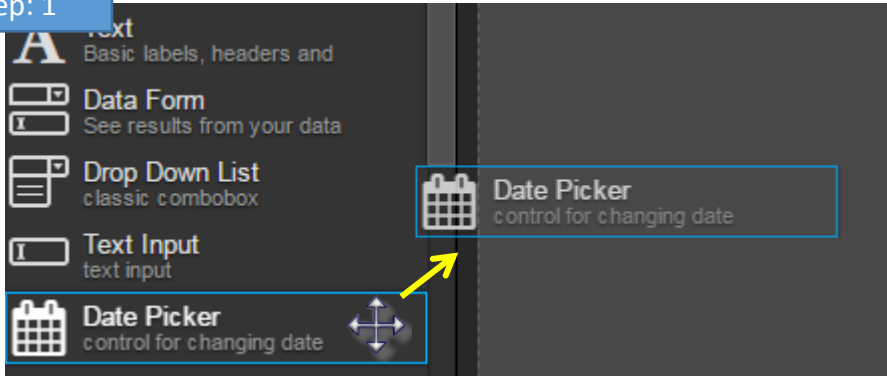
The screenshot shows the Kx interface with a query editor. The query is: `1 ([start: asc exec distinct OpenDate from TradeData])`. The interface includes a sidebar with a tree view showing 'Date' and 'DateRange' nodes under 'Root'. The top bar shows 'kdb' and 'html5evalcongroup'.

The screenshot shows the Kx interface with a query editor. The query is: `1 {[start;end] select Type, Month, Group, Return, PerReturn, OpenDate, CloseDate from TradeData where OpenDate within (start;end)}`. Below the query editor is a table with two columns: 'start' and 'end'. The 'start' column has a dropdown menu set to 'date' and a 'start' button. The 'end' column has a dropdown menu set to 'date' and an 'end' button. A yellow box highlights the 'start' button in the table.

The 'Select View State...' dialog box shows a tree view with 'start' node highlighted. The properties panel below shows: Type: date, Default: Rolling, Value: 2017/06/20. A yellow arrow points from the 'start' node in the tree view to the 'start' button in the table in the previous screenshot.

Viewstate for *start* and *end* should be of Type: *Date*

Step: 1



Add Two Date Pickers to the Dashboard

Step: 2

Add Data Grid: **DateRange**

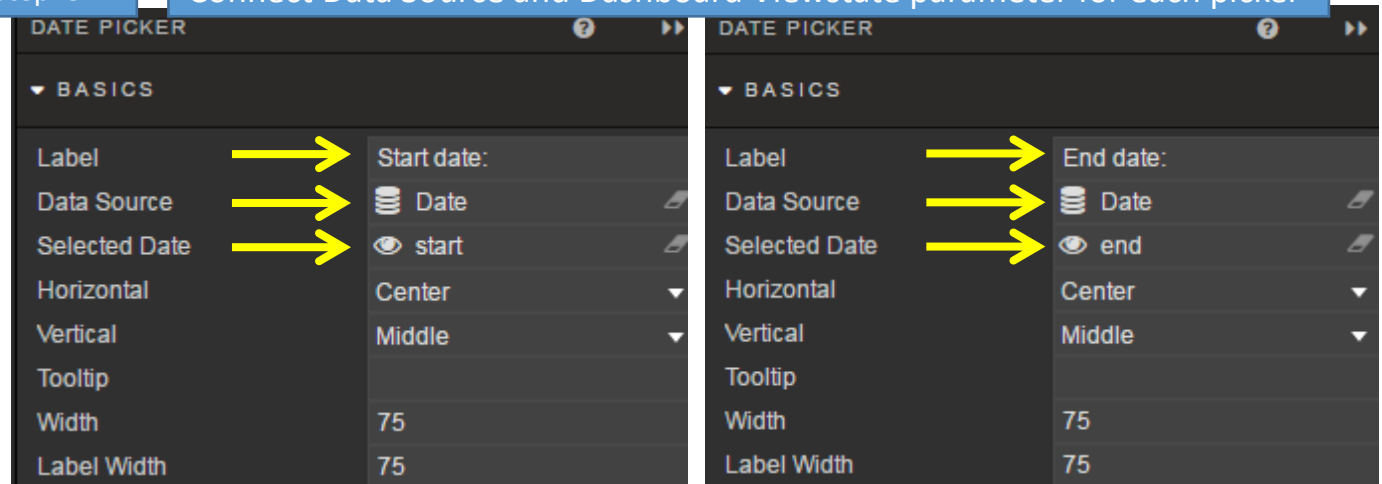
Drag a column header and drop it here for grouping Excel | CSV

Type	Month	Group	Return	PerReturn	OpenDate	CloseDate
Long	4	Equity	-33.0000	-1.6500	2015-04-09	2015-04-29
Short	4	Forex	0.0000	0.0000	2015-04-13	2015-04-14
Long	4	Forex	-22.0000	-0.7300	2015-04-13	2015-04-13
Long	4	Index	-67.0000	-2.2300	2015-04-13	2015-04-13
Long	4	Index	980.0000	28.0000	2015-04-09	2015-04-13
Short	4	Index	-29.0000	-0.9700	2015-04-13	2015-04-13
Short	4	Index	-13.0000	-0.4300	2015-04-13	2015-04-13
Short	4	Forex	35.0000	1.7500	2015-04-13	2015-04-13
Short	4	Index	-138.0000	-4.2300	2015-04-13	2015-04-13

Showing all 22 rows

Step: 3

Connect Data Source and Dashboard Viewstate parameter for each picker



Step: 4

In Preview mode, change Start and End Dates (Feb-Dec 2015)

[Preview](#)

Start date: 2015-03-31 End date: 2015-04-13

Drag a column header and drop it here for grouping Excel | CSV

Type	Month	Group	Return	PerReturn	OpenDate	CloseDate
Long	4	Equity	-33.0000	-1.6500	2015-04-09	2015-04-29
Short	4	Forex	0.0000	0.0000	2015-04-13	2015-04-14
Long	4	Forex	-22.0000	-0.7300	2015-04-13	2015-04-13
Long	4	Index	-67.0000	-2.2300	2015-04-13	2015-04-13
Long	4	Index	980.0000	28.0000	2015-04-09	2015-04-13
Short	4	Index	-29.0000	-0.9700	2015-04-13	2015-04-13
Short	4	Index	-13.0000	-0.4300	2015-04-13	2015-04-13
Short	4	Forex	35.0000	1.7500	2015-04-13	2015-04-13
Short	4	Index	-138.0000	-4.2300	2015-04-13	2015-04-13

Showing all 22 rows



it's about time

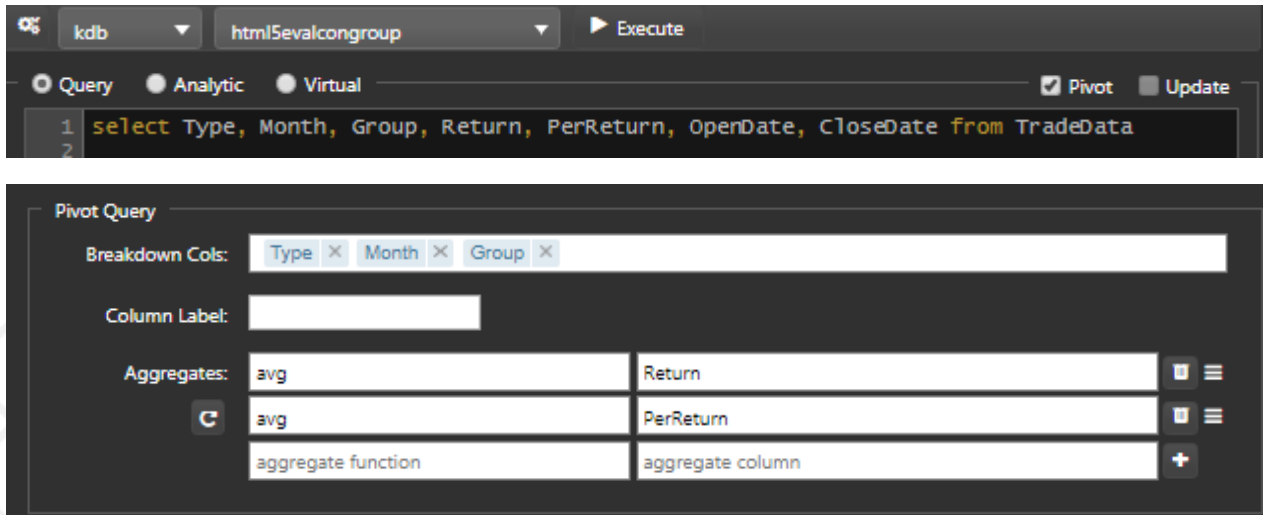
Pivot Grid & Breadcrumbs

Dashboards for Kx – “How to” Guide



Pivot Grids create data groupings (independent variables) with summary statistics from dependent variables; e.g. sum, average, count, min and max values. Navigation is controlled using the Breadcrumbs component.

- Create Data Source: **PivotData**
- Connection: `html5eval_grp` (or `html5evalcongroup`)
`select` Type, Month, Group, Return, PerReturn, OpenDate, CloseDate `from` TradeData
- Check Pivot Query



Breakdown Cols: *Type, Month, Group*

Aggregates (avg): *Return, PerReturn*

The screenshot shows the Kx PivotData interface. At the top, there's a toolbar with 'New', 'Rename', and 'Delete' buttons. Below that is a search bar and a file tree showing a 'Root' folder with a 'New node' button. The main area is divided into several sections:

- Query Editor:** Contains a SQL query: `select Type, Month, Group, Return, PerReturn, OpenDate, CloseDate from TradeData`. There are 'Execute' and 'Update' buttons.
- Pivot Query:** Includes 'Breakdown Cols' (Type, Month, Group), 'Column Label', and 'Aggregates' (avg, Return, PerReturn, aggregate function, aggregate column).
- Subscription:** Has radio buttons for 'Static', 'Managed', and 'Polling', along with a 'Key' dropdown (Row Num) and a 'Force Reset' checkbox.
- Results:** Includes checkboxes for 'Auto-exec' and 'Server paging', and input fields for 'Max rows' (2000) and 'Page size'. Below this is a table view with 'Results', 'Data Tree', and 'Raw Output' tabs.

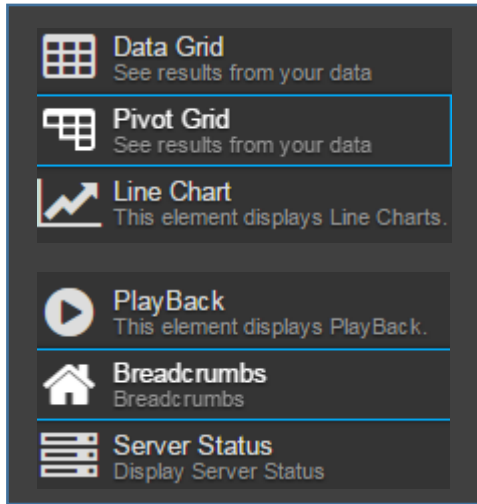
Type	Return	PerReturn
Long	-24.7301	0.3812
Short	-19.6022	0.6400

At the bottom right, there are 'Select Item', 'Apply', and 'Close' buttons.

Left-click-drag to increase viewable area

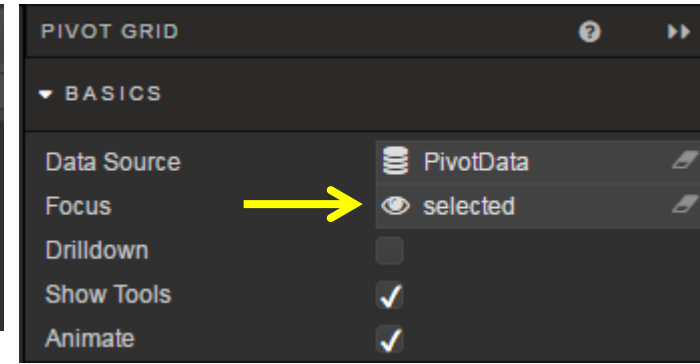
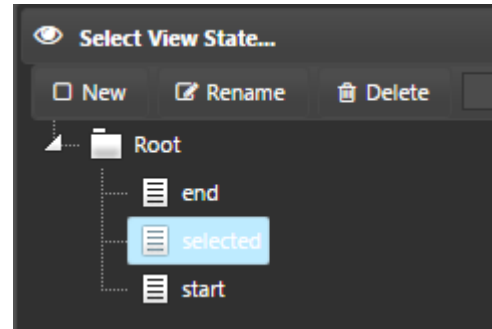
Step: 1

Drag a *Pivot Grid* and *Breadcrumbs* component into dashboard



Step: 3

Create a *Viewstate* called *selected* of type *symbol*. Map to *Focus* property of Pivot Grid.



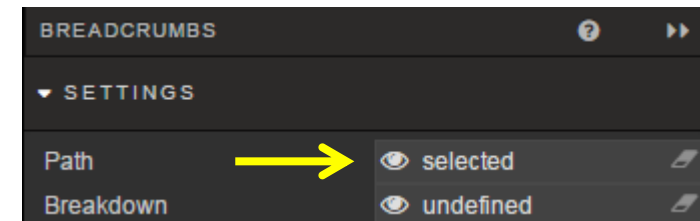
Step: 2

Configure Pivot Grid as *PivotData*

Type	Return	PerReturn
Long	-24.7301	0.3812
Short	-19.6022	0.6400

Step: 4

Link *selected* property to *Path* of Breadcrumbs



Continued...

The screenshot shows a dashboard interface with a pivot grid and breadcrumb navigation. The breadcrumb path is 'Home > Long'. A callout box labeled 'Left-click' points to the 'Long' breadcrumb. The pivot grid below shows data for 'Long' with columns for 'Type', 'Month', 'Return', and 'PerReturn'.

Type	Month	Return	PerReturn
Long	2	-13.0000	-0.5200
	3	179.7941	5.4288
	4	22.1739	0.4796
	5	42.4815	0.6461
	6	-157.9706	-3.0329
	7	53.6875	0.0425
	8	-422.7391	-5.8391
	9	-113.7143	-0.1220
	10	216.3667	4.4687

Home Long 6
Left-click

Drilldown Show Filters Excel | CSV

Type	Month	Group	Return	PerReturn
Long	2		-13.0000	-0.5200
	3		179.7941	5.4288
	4		22.1739	0.4796
	5		42.4815	0.6461
	6	Commodity	-204.1429	-4.0686
		Equity	-215.0000	-2.1500
		Forex	-59.2000	-1.2740

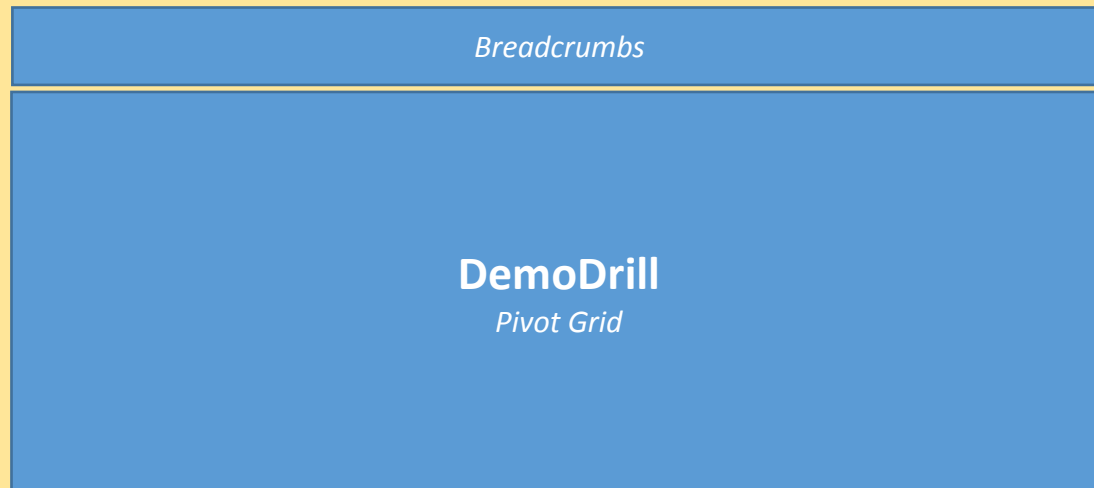
Home

Drilldown Show Filters Excel | CSV

Type	Return	PerReturn
Long	-24.7301	0.3812
Short	-19.6022	0.6400

- Create a Pivot Query, “**DemoDrill**”, from (connect to **html5evalcongroup**):

```
{`sym`src`hour`minute xcols 0!select quoteCount:count i,quoteSpread:10000*avg  
(ask-bid),quoteSize:avg (bsize+asize)%2 by hour:`$string time.hh,minute:`$string 10  
xbar time.minute, sym,src from dfxQuote where sym in exec distinct sym from  
dfxTrade}[]
```



Hint: Query from DemoDrillDown dashboard



it's about time

Bar Chart

Dashboards for Kx – “How to” Guide

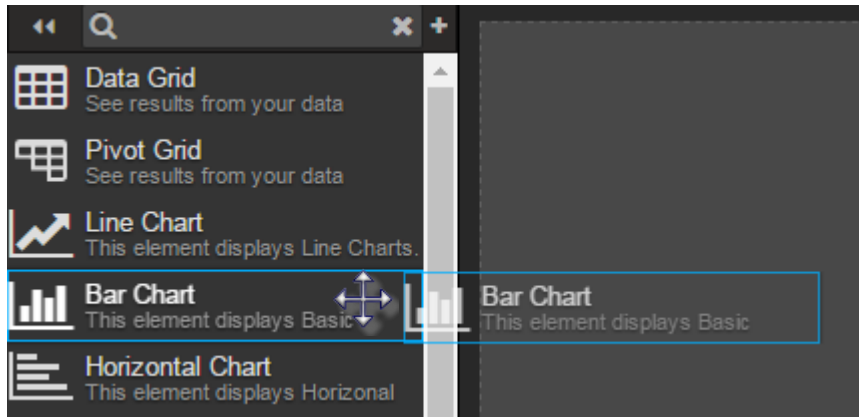


Add Visuals to Data.

- Use Data Source: **PivotData**
- Connection: `html5eval_grp` (or `html5evalcongroup`)
select `Type, Month, Group, Return, PerReturn, OpenDate, CloseDate` **from** `TradeData`
- Breakdown Cols: *Type, Month, Group*
- Aggregates: *Return, PerReturn*
- Keep **Breadcrumbs** component; required for data navigation in Chart

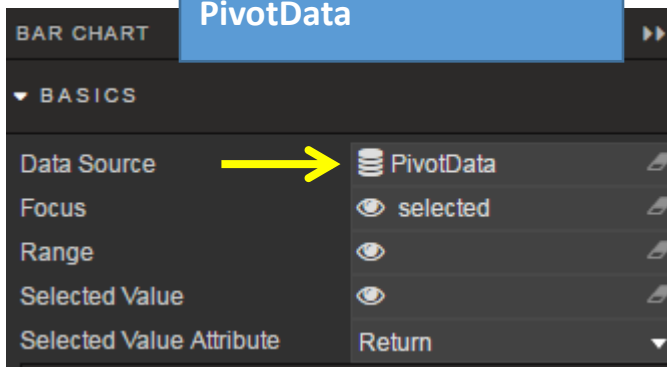
Step: 1

Drag *Bar Chart* inside dashboard



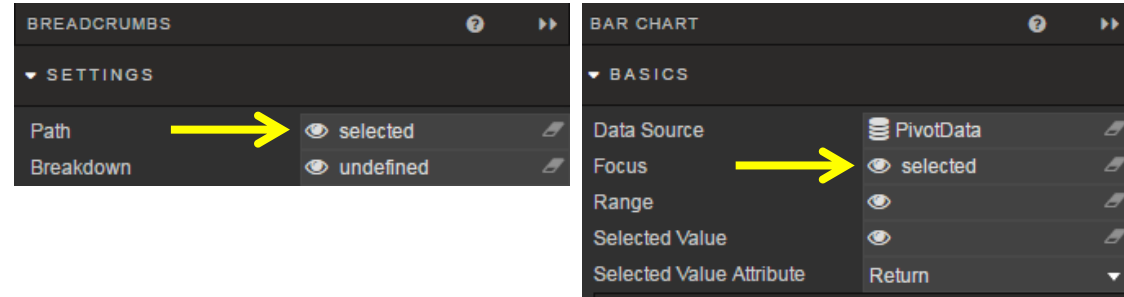
Step: 2

Configure Bar Chart as **PivotData**



Step: 3

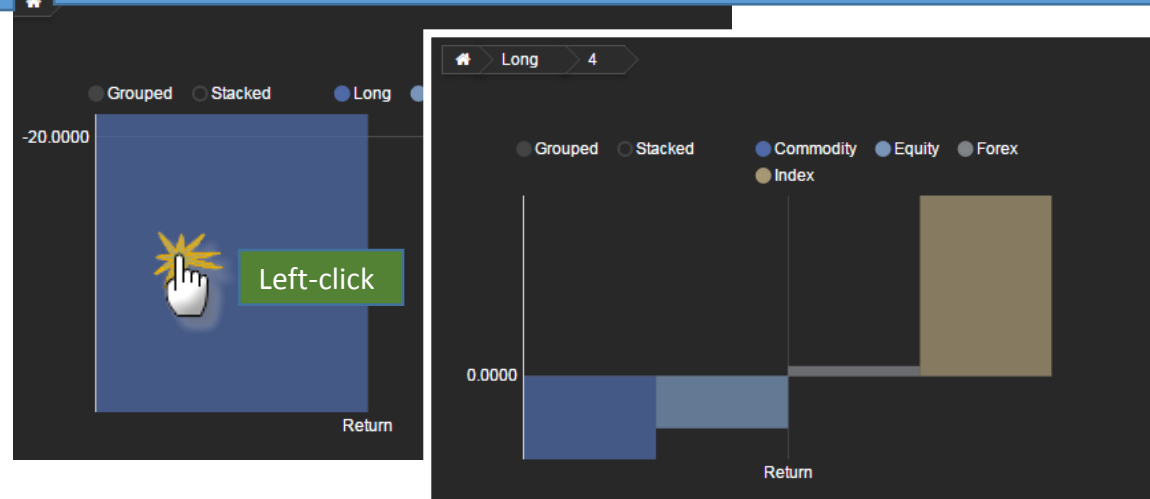
Add *Breadcrumbs* component (if not already). Create a linking viewstate called *selected* (Type: Symbol); share with Bar Chart



Step: 4

Test Interactions in Preview

Preview



Step: 1

Click

+ ROUTING

Step: 2

Link Chart *Data Source* variables to Dashboard *Viewstates*

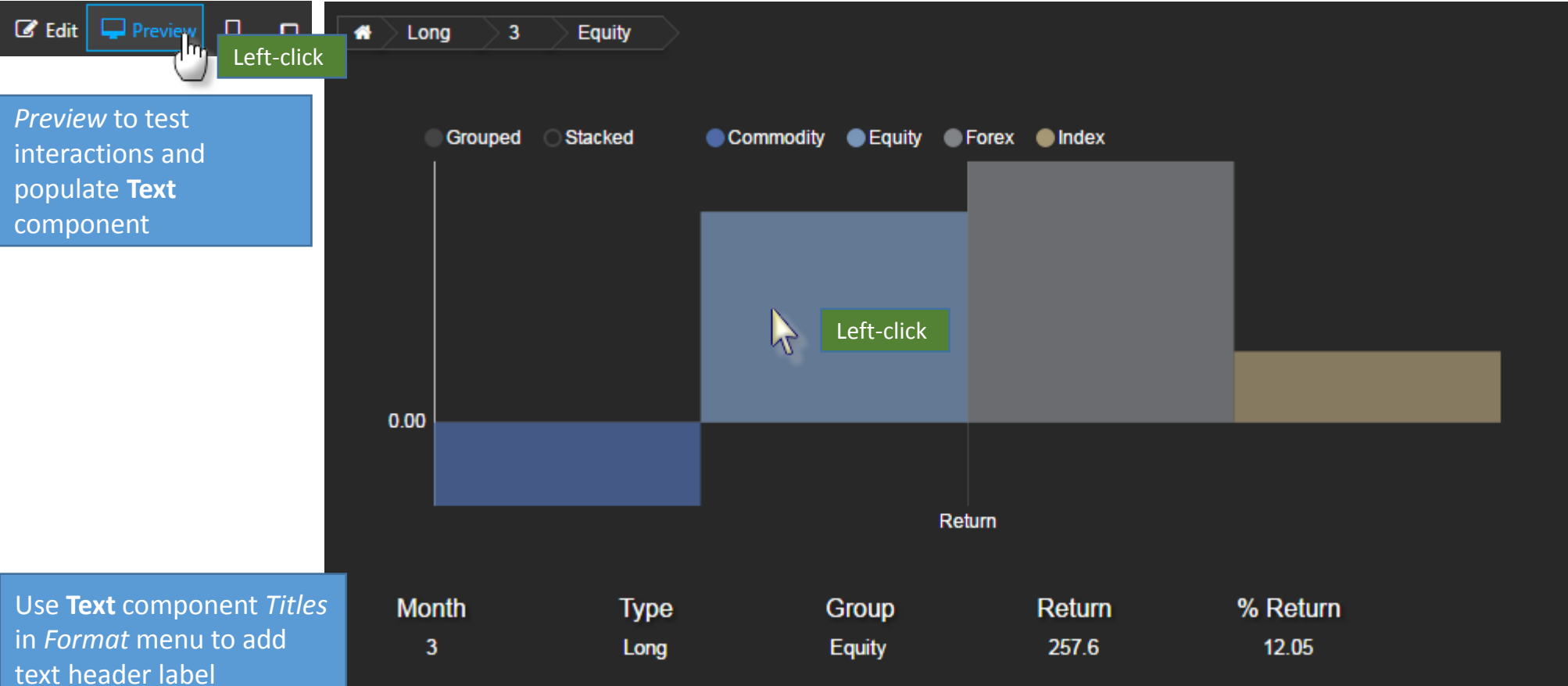
COLUMN	VIEWSTATE
Month	month
Type	Type
Return	Return
PerReturn	PerReturn

Viewstate	Type
Month	Int
Type	Symbol
Group	Symbol
Return	Float
PerReturn	Float

Step: 3

Display *Viewstate* values in a *Text* component; add 5 components.

Configure a Text component for *viewstates*: Month, Type, Group, Return and PerReturn (% Return)



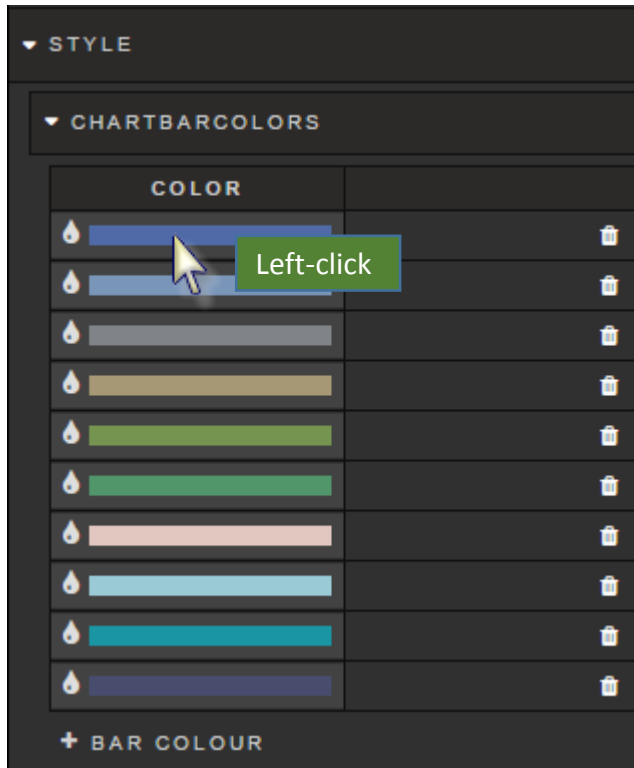
Preview to test interactions and populate **Text** component

Use **Text** component *Titles* in *Format* menu to add text header label

Change Bar Chart colors

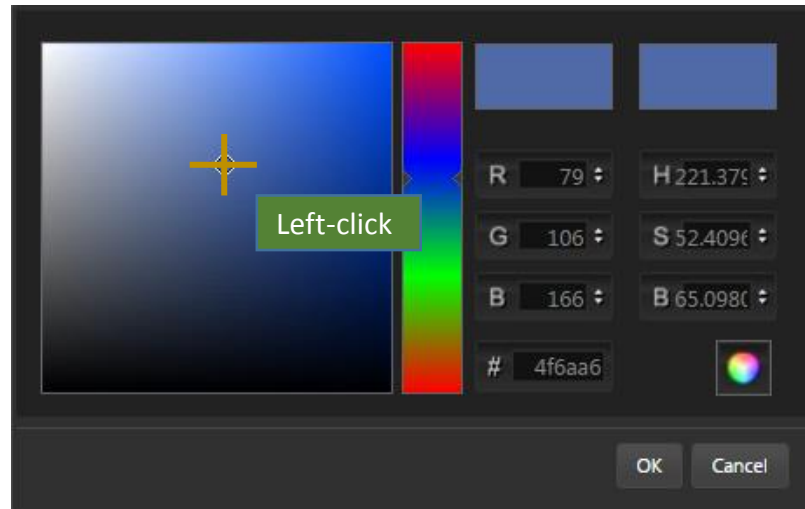
Step: 1

Bar chart colors are displayed in order from top to bottom



Step: 2

Left click to bring up palette menu

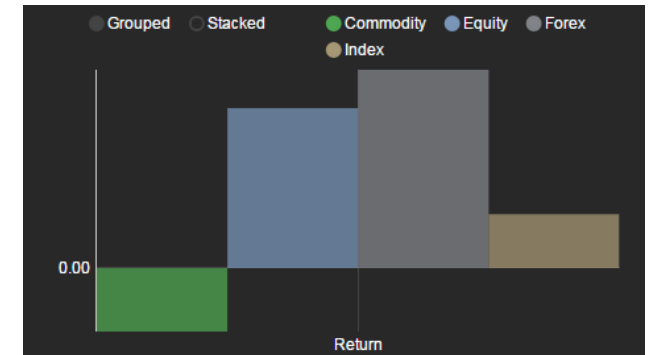
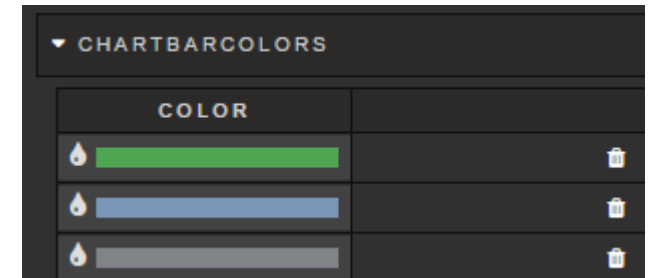


Or enter Hex color reference

132e69

Step: 3

Color Assigned



Hex color: #4fa652

Alternative

Assign a color to a *Viewstate*; use Hex color



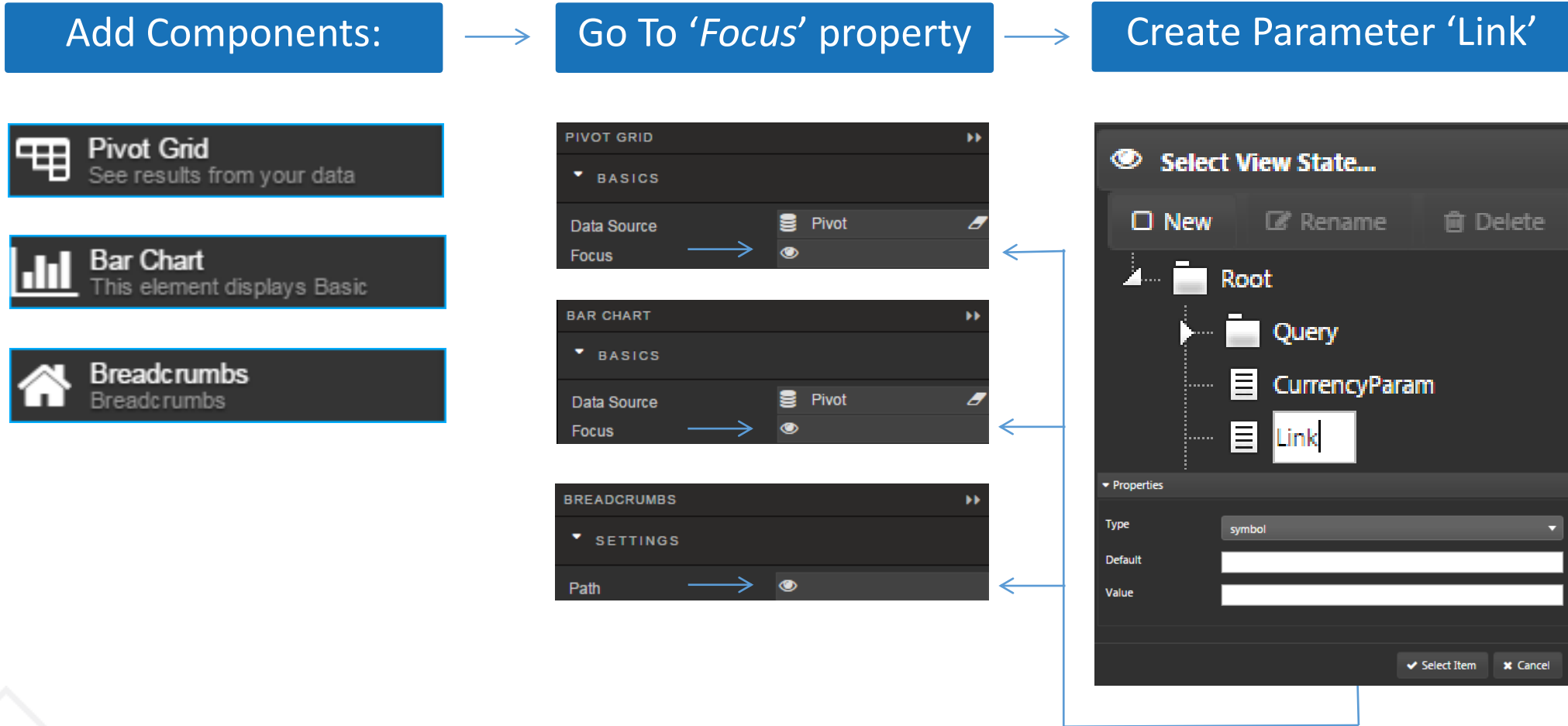


it's about time

Component Linking

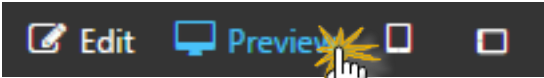
Dashboards for Kx – “How to” Guide



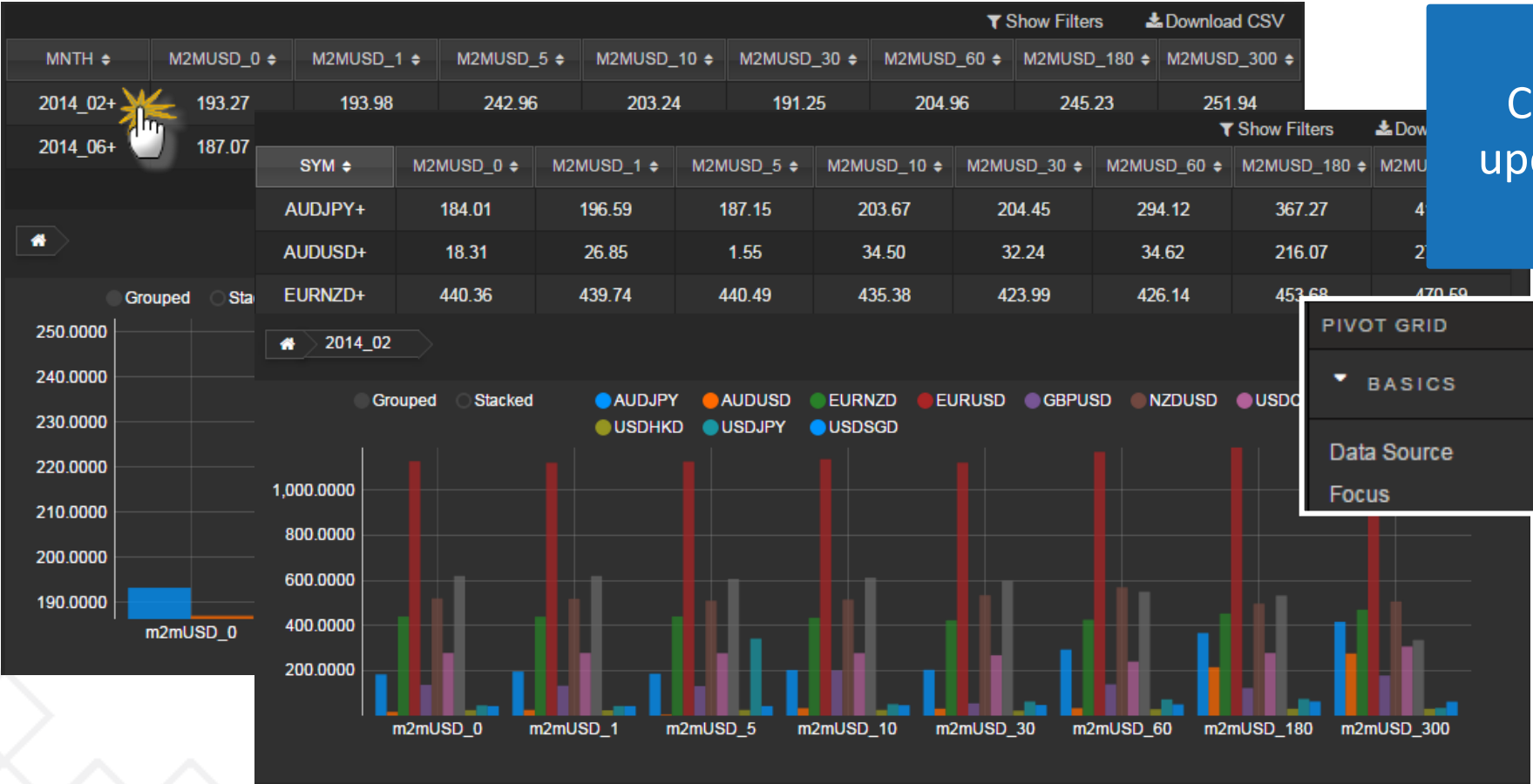


*Components must share same Data Source; e.g. **PivotData**

Go to 'Preview' mode and test Dashboard

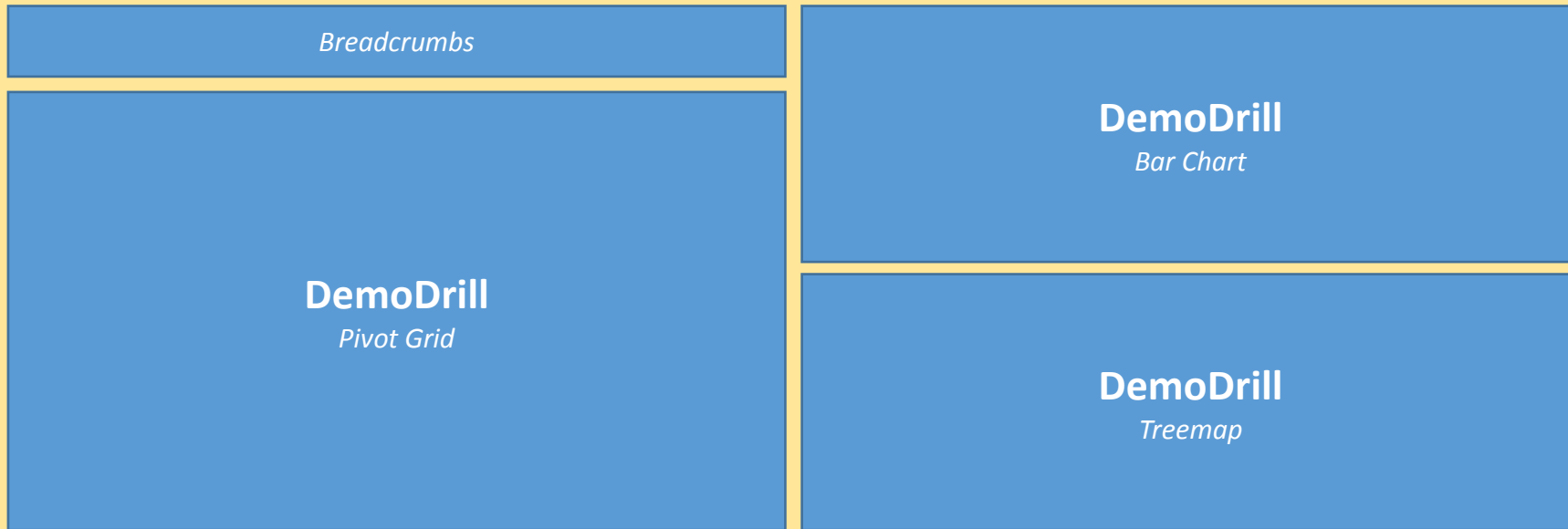


All linked Components will update when one is changed



- Link a **Pivot Grid**, **Bar Chart**, **Breadcrumbs** and **Treemap** for “DemoDrill”:

```
{`sym`src`hour`minute xcols 0!select quoteCount:count i,quoteSpread:10000*avg  
(ask-bid),quoteSize:avg (bsize+asize)%2 by hour:`$string time.hh,minute:`$string 10  
xbar time.minute, sym,src from dfxQuote where sym in exec distinct sym from  
dfxTrade}[]
```



Hint: Refer to code.kx.docs for information on configuring the **Treemap** component



it's about time

Highlight Rules

Dashboards for Kx – “How to” Guide



Highlight rules help direct users to changes and updates in their data. It's best used with streaming and polling data

- Use Data Source: **LatestPrices**
- Connection: `html5eval_grp` (or `html5evalcongroup`)

```
{[symval] `src xasc select last bsize, last bid, last ask, last asize by src from dfxRandomQuote where sym=symval}
```

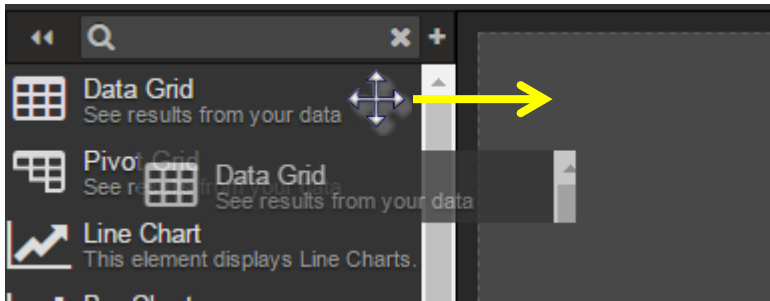
- Map `symval` to viewstate, `symChoice`. Set Default `symChoice` to `EUR/USD`

- Set *Subscription to Polling, 1 second*. Part of Query Editor.

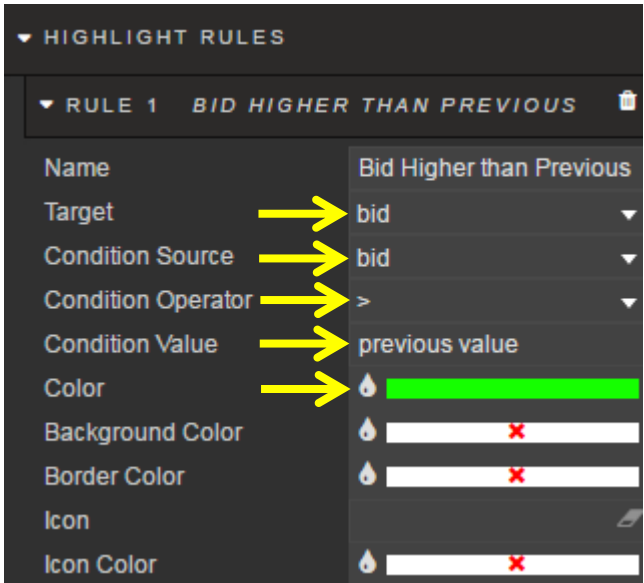
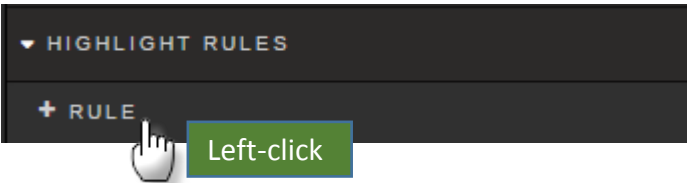


Ensure data is polling, managed or streamed for highlights rule to update

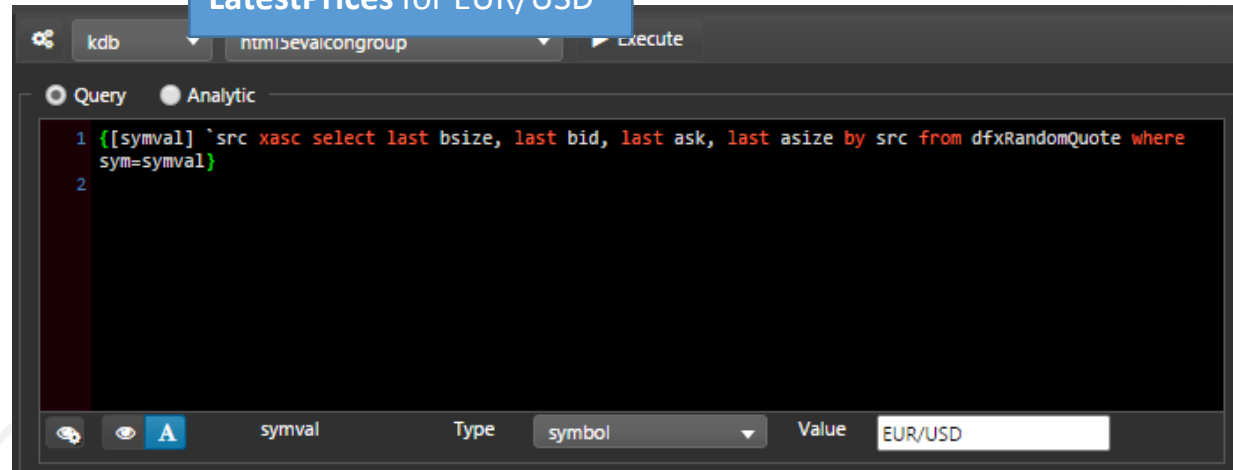
Step: 1 Drag *Data Grid* inside dashboard



Step: 3 Create a Highlight Rule for Bid: Value greater than previous value + RULE



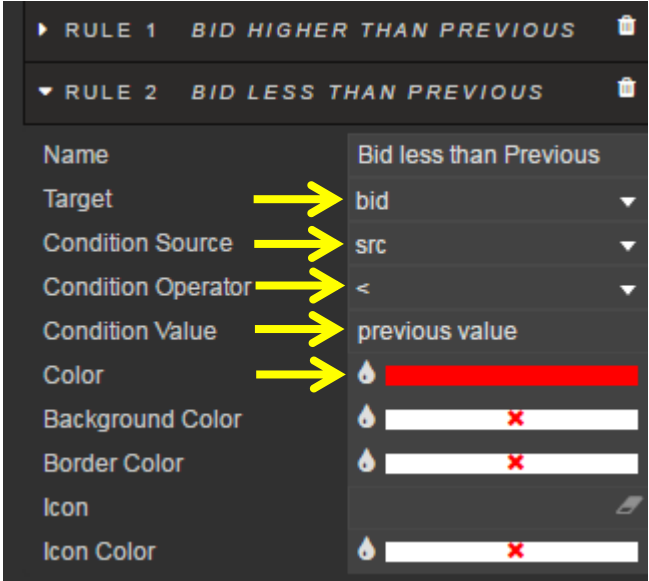
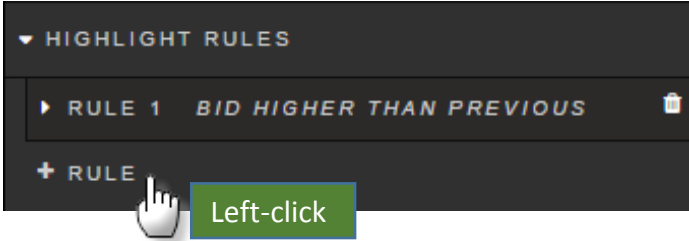
Step: 2 Configure query *LatestPrices* for EUR/USD



Continued...

Step: 4 Create a Highlight Rule for Bid: Value less than previous value + RULE

Step: 5 Repeat Rules for Ask



Alternative
Background Color: changes cell color
Border Color: changes cell border color
Icon: Select from Icon menu, icon will appear when highlight rule is true
Icon Color: Select color of icon to appear when rule is true

Drag a column header and drop it here for grouping Excel | CSV

src	bsize	bid	ask	asize
BankOfIT	3.0001m	1.3926	1.3927	3.0001m
BankOnline	1.9995m	1.3921	1.3923	1.9995m
BrokersLtd				
DealBrokers				
FXHF				
IOPWinds				
TradeFX				

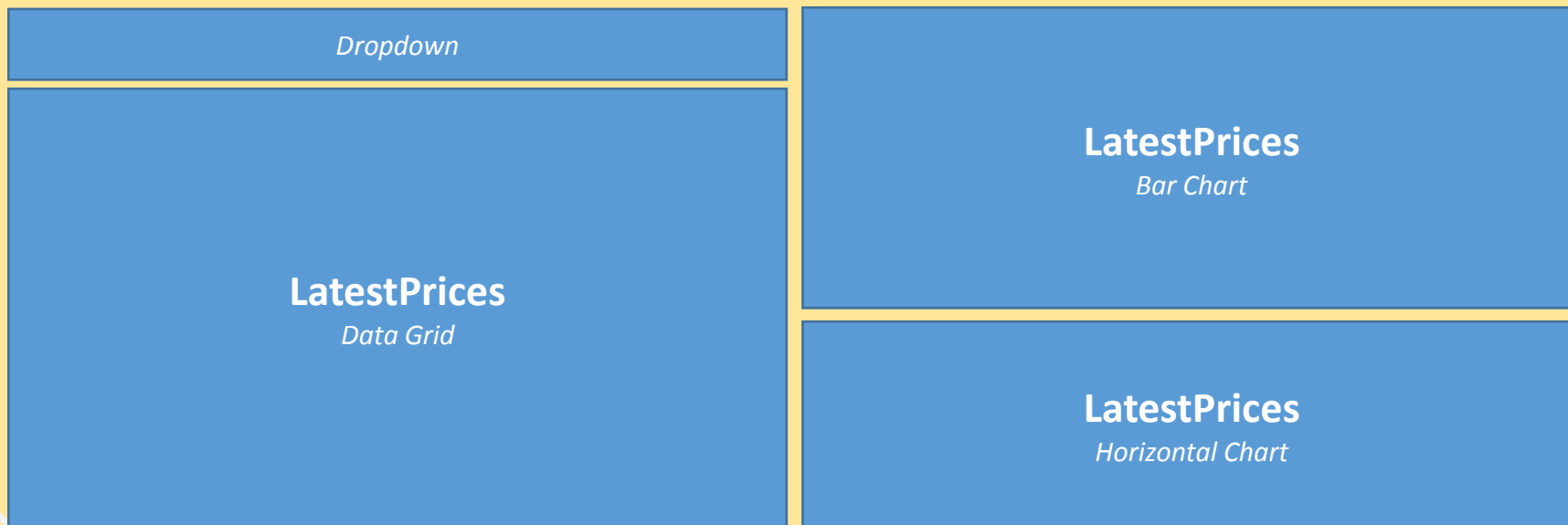
Showing all 7 rows

Drag a column header and drop it here for grouping Excel | CSV

src	bsize	bid	ask	asize
BankOfIT	3m	1.3925	1.3926	3m
BankOnline	1.9997m	1.3922	1.3925	1.9997m
BrokersLtd	1.9999m	1.3924	1.3925	1.9999m
DealBrokers	4.9995m	1.3924	1.3925	4.9995m
FXHF	5.0002m	1.3925	1.3926	5.0002m
IOPWinds	999.9k	1.3924	1.3925	999.9k
TradeFX	5.0001m	1.3926	1.3926	5.0001m

Showing all 7 rows

- Using **LatestPrices** query, add a **Dropdown** component to feed symbols: EUR/USD, GBP/USD, USD/CAD, USD/CHF and USD/CHF into *symChoice*
- Apply Red and Green Range color to columns A(sk)size and B(id)size respectively
- Apply Red and Green Max color to Ask and Bid columns
- Add **Bar** and **Horizontal** chart; use chart highlight rules to mark change



Hint: Query from DemoMarketMakers dashboard. See [code.kx.docs](#) for more information on configuring Horizontal charts



it's about time

Multi-Chart

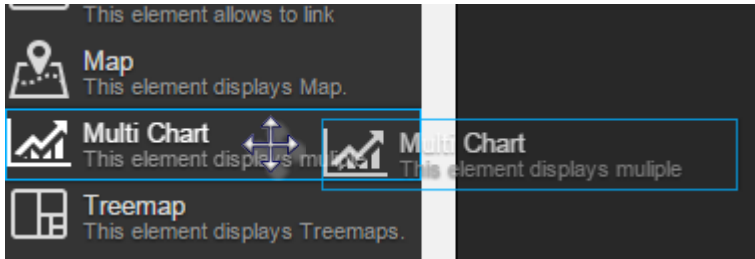
Dashboards for Kx – “How to” Guide



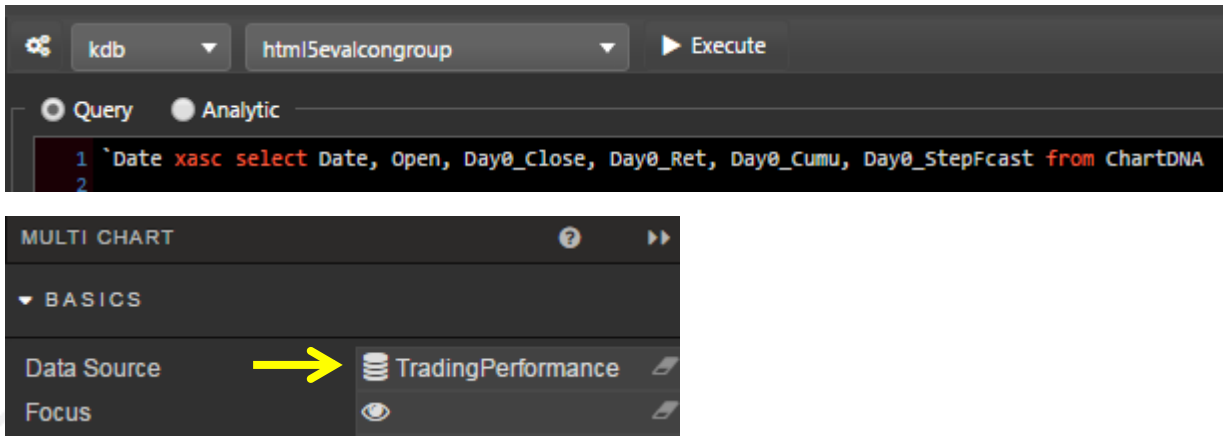
Dashboard's Multi-chart allows for different chart types including bar, bubble, candlesticks and lines to be overlaid on a single chart. Includes dual axis support.

- Use Data Source: **TradingPerformance**
- Connection: `html5eval_grp` (or `html5evalcongroup`)
`Date **xasc select** Date, Open, Day0_Close, Day0_Ret, Day0_Cumu, Day0_StepFcast **from** ChartDNA

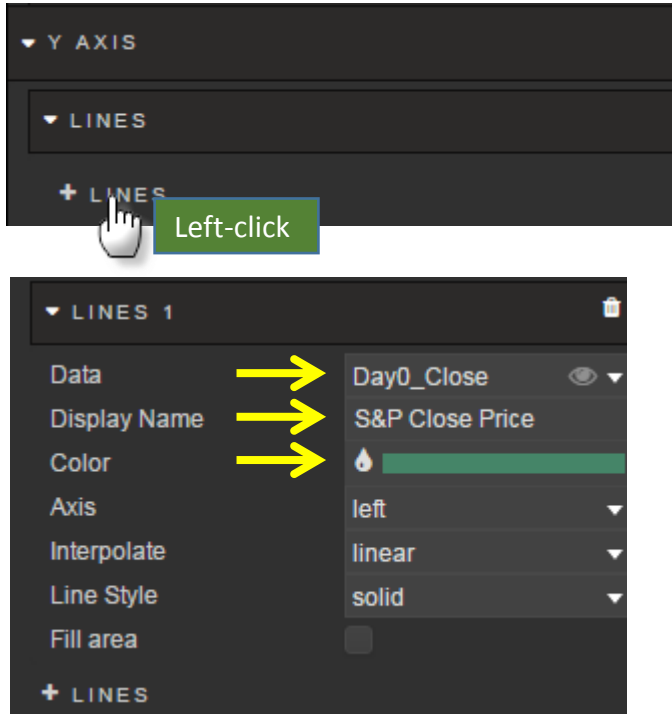
Step: 1
Drag *Multi Chart* inside dashboard



Step: 2
Configure query
TradingPerformance



Step: 3
Add a Line Chart



Add prices for S&P Index. Update color to #458568 and add Legend name

Continued...

Step: 4

Add a second Line chart for Trade Return

▼ LINES 2

- Data → Day0_Cumu
- Display Name → Trade Return
- Color → [Blue Gradient]
- Axis → right
- Interpolate → linear
- Line Style → solid
- Fill area →

+ LINES

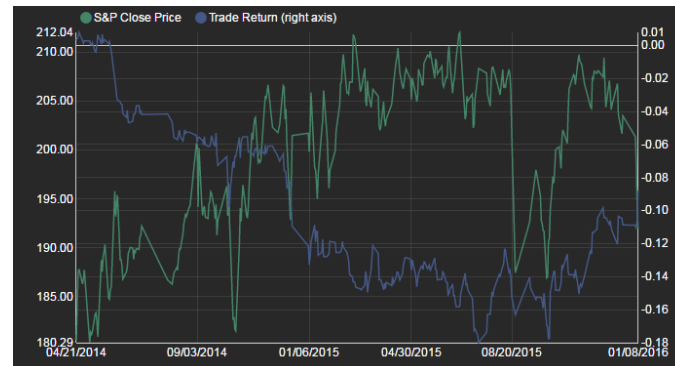
Chart Trade Return on the right axis

Step: 5

Fix x-axis formatting

▼ X AXIS

- Axis Value → Date
- Axis Type → Date
- Axis Format → MM/DD/YYYY
- Axis Scale → scale
- Show Legend →
- Use Fixed Num of Ticks →
- Show all Ticks →
- Use Ordinal →
- Num of Ticks → 5
- Rotation → [Slider]



Step: 6

Fix y-axis formatting: left

▼ Y AXIS

- ▶ LINES
- ▶ BARS
- ▶ BUBBLES
- ▶ CANDLESTICK
- ▼ LEFT AXIS FORMAT
 - DecimalPlaces → 0
 - Prefix → [Dropdown]
 - Suffix → [Dropdown]
 - Specify MidPoint →
 - Use Range Min →
 - Use Range Max →
 - Range Min → 0
 - Range Max → 100
 - No. of Ticks (best fit) → 0

Single adjustment of left decimal places

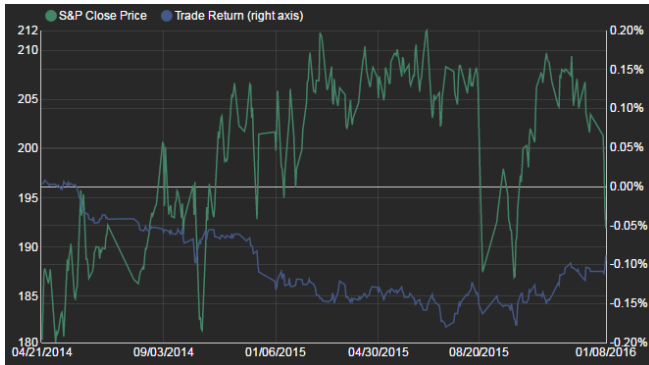
Continued...

Step: 7

Fix y-axis formatting: right

▼ RIGHT AXIS FORMAT

DecimalPlaces	2
Prefix	
Suffix	%
Specify MidPoint	✓
Use Range Min	✓
Use Range Max	✓
Range Min	-2
Range Max	.2
No. of Ticks (best fit)	0

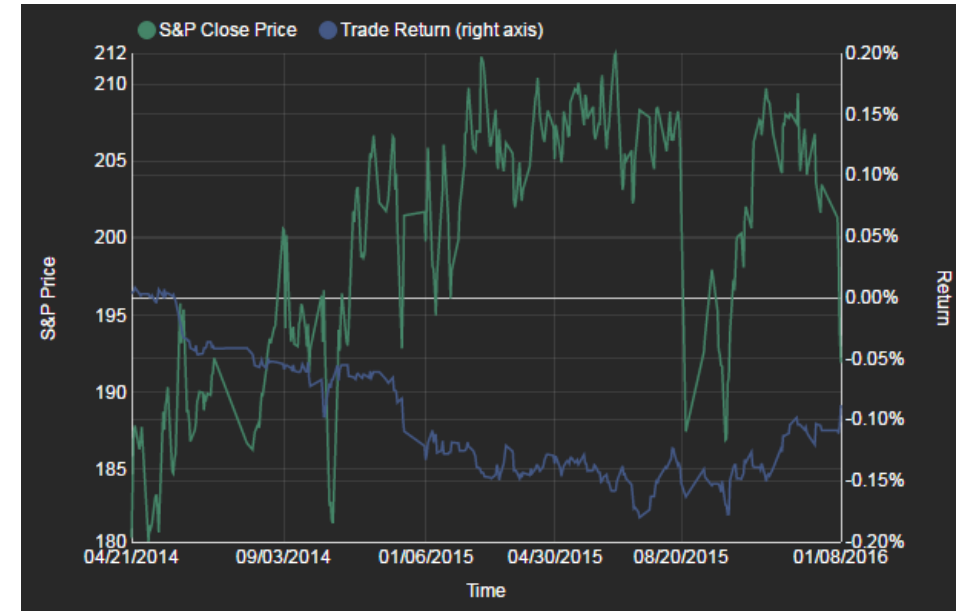


Step: 8

Format Chart

▼ FORMAT

Title	
Title Font Size	16
Title Font Color	White
Title Bold	<input type="checkbox"/>
Title Shadow	✓
Title Horizontal Align	Center
Title Bottom Border Size	
Component Color	Black
Transparent Background	✓
Border Size	0
Border Rounding	0
Border Color	Black
Component Shadow	<input type="checkbox"/>
Hide Tooltip	<input type="checkbox"/>
Align Axis	<input type="checkbox"/>
Stack Bars	<input type="checkbox"/>
X-Axis Label	
Y-Axis Label (Left)	S&P Price
Y-Axis Label (Right)	Return
Margin top	30
Margin bottom	50
Margin left	70
Margin right	100
Track Hover on exit	<input type="checkbox"/>



- Add an *Overlay* data source (connection: *html5evalcongroup*)
`Date xasc select Date, Day4_Cumu from ChartDNA`
- Change the chart type for Day0_Cumu to show fill while not obscuring S&P prices
- Apply a date range filter to Multi-chart



it's about time

Zoom and Pan

Dashboards for Kx – “How to” Guide

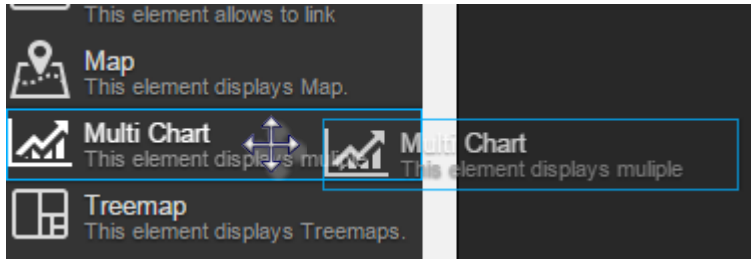


Zoom and Pan provides built-in navigation focus. The zoom-and-pan range can be paired with dashboard viewstates and used as filters in other dashboard queries.

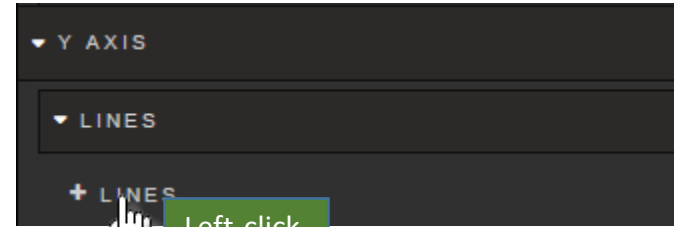
- Create Data Source: **ZoomandPan**
- Connection: `html5eval_grp` (or `html5evalcongroup`)

``Date xasc select Date, Open from ChartDNA`

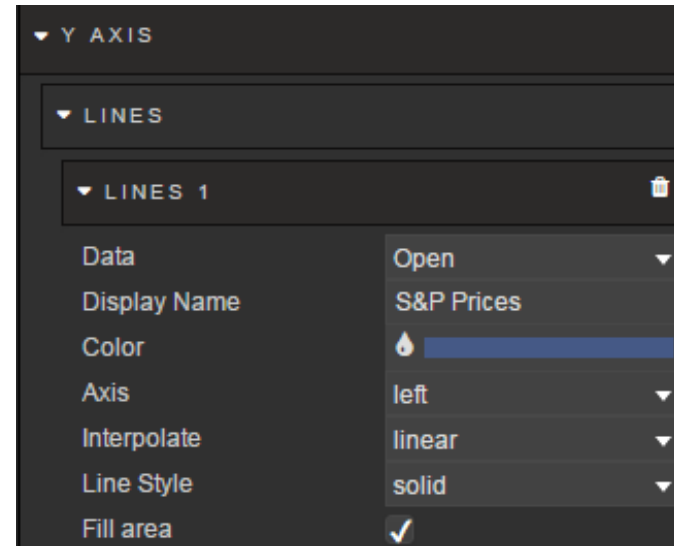
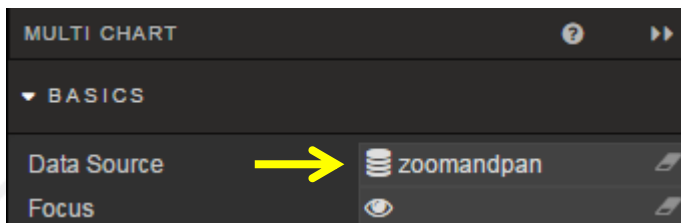
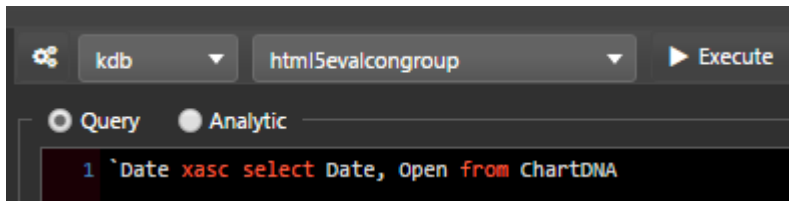
Step: 1
Drag *Multi Chart* inside dashboard



Step: 3
Add a Line Chart



Step: 2
Configure query
ZoomandPan



Step: 4 Switch on *Zoom / Pan*

ZOOM / PAN

- Zoom / Pan on
- Type zoom
- Zoom select color
- Zoom select opacity 25
- Zoom select border
- Min Zoom start
- Max Zoom end

Create *Viewstate* parameters for *Min Zoom* and *Max Zoom*

Root

- end
- selected
- start

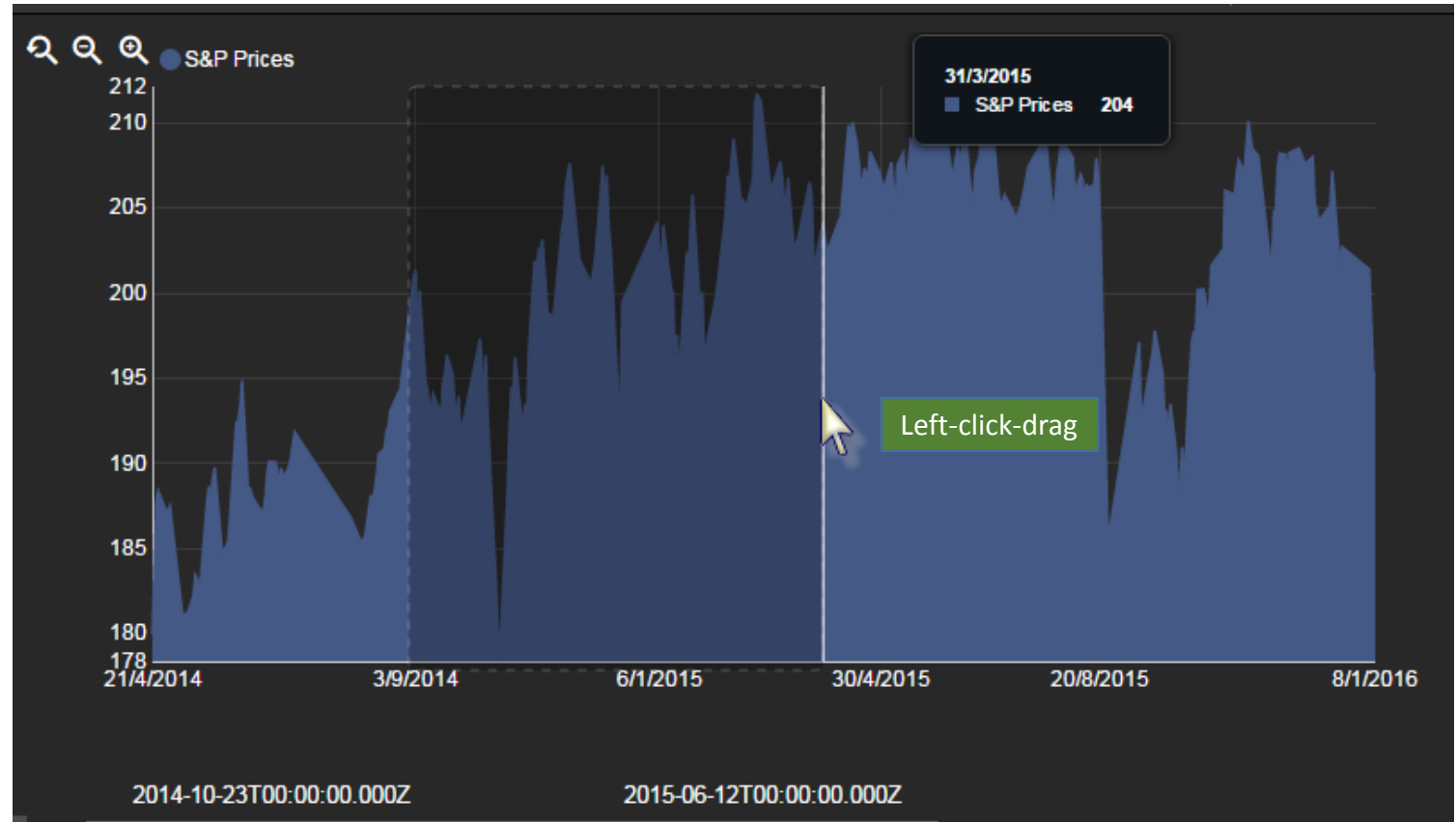
Properties

Type: date

Default: Rolling

Value: 2017/06/21

Value: 2014/11/07



Text component displaying *viewstates*, *start* and *end*



it's about time

Range Slider

Dashboards for Kx – “How to” Guide

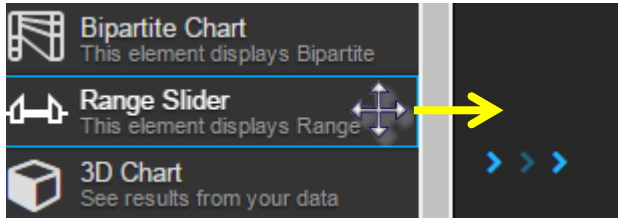


Similar to Pan-and-Zoom, Range Slider is a separate component which is paired with a chart and can be used to control the amount of data to display. It's paired with a chart similar to how Breadcrumbs works.

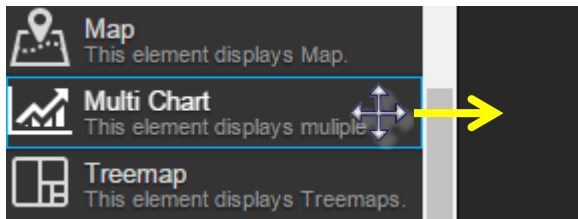
- Use Data Source: **ZoomandPan**
- Connection: `html5eval_grp` (or `html5evalcongroup`)

``Date xasc select Date, Open from ChartDNA`

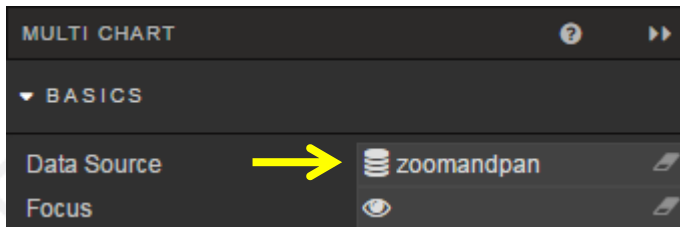
Step: 1 Drag *Range Slider* inside dashboard



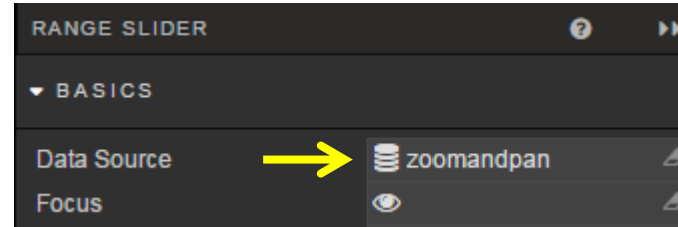
Step: 2 Add a *Multi-Chart* to the dashboard



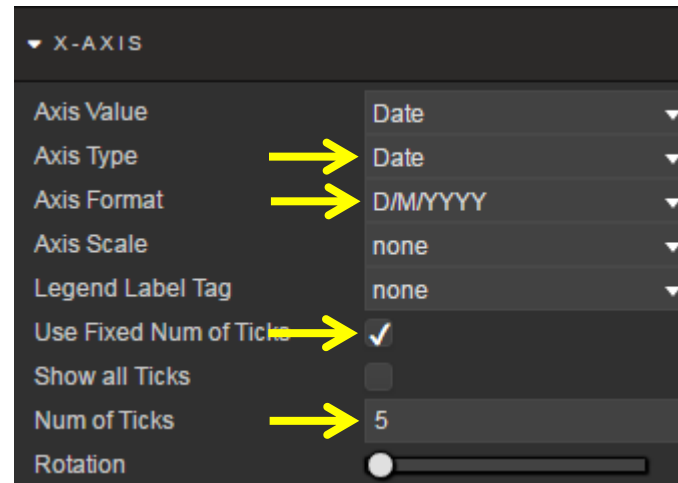
Step: 3 Configure the *Multi-Chart* to use **ZoomandPan** data source; create a line chart for Open price

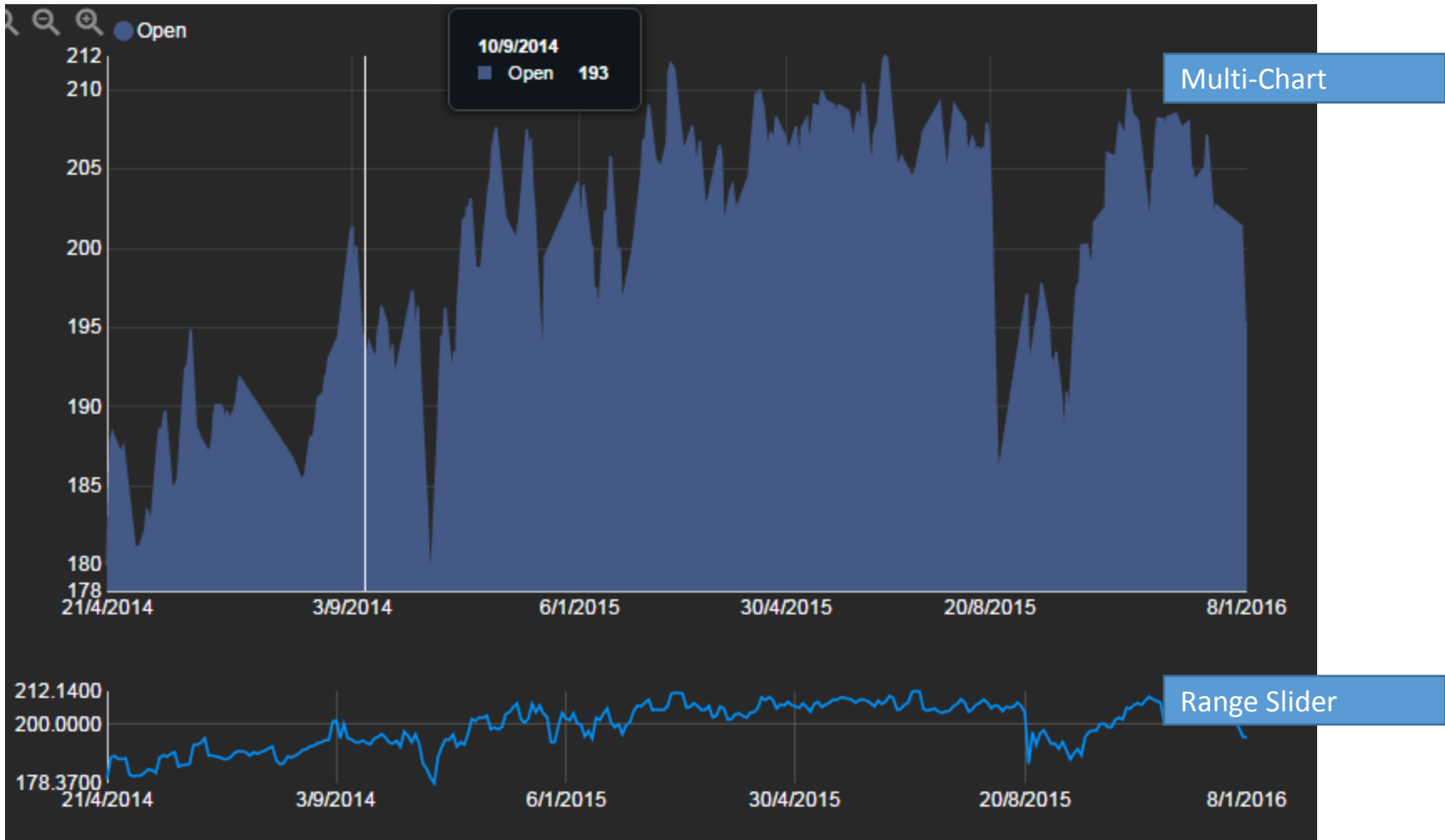


Step: 4 Likewise, configure the *Range Slider* to use **ZoomandPan** data source.



Step: 5 Set X-Axis for Date for *Range Slider*





Step: 6 Format Y-Axis

▼ FORMAT

Title

Title Font Size 16

Title Font Color

Title Bold

Title Shadow ✓

Title Horizontal Align Center

Title Bottom Border Size

Component Color

Transparent Background ✓

Border Size 0

Border Rounding 0

Border Color

Component Shadow

Y-axis Format **2 Decimal Points**

Fill Color

Fill Opacity

Fill Color (Inverse)

Fill Opacity (Inverse)

Resize Stroke Color

Resize Icon Color

Step: 7 Create *viewstate*, “chartlink” of type Symbol

Select View State...

New Rename Delete

Root

New node

- chartlink
- end
- selected
- start

▼ Properties

Type symbol

Default

Value

Step: 8 Link *Range Slider* to *Multi-Chart* using *Range* property

RANGE SLIDER

▼ BASICS

Data Source zoomandpan

Focus

Range **chartlink**

Selected Value

Selected Min Value

Selected Max Value

MULTI CHART

▼ BASICS

Data Source zoomandpan

Focus

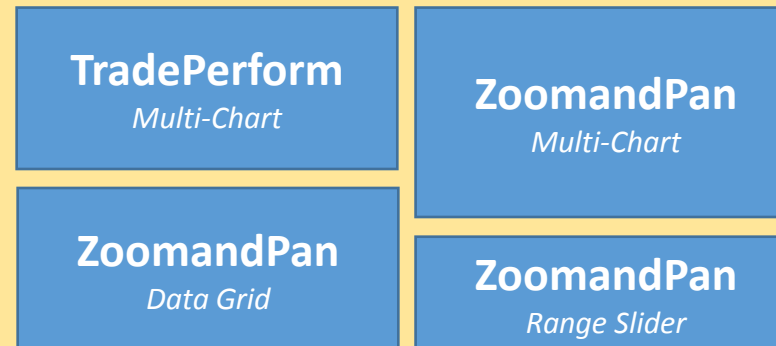
Range **chartlink**

Selected Value

Selected Value Attribute Date

Hovered Value

- Set Viewstate for *Selected Min* and *Selected Max* property
- Add a **Data Grid**. Configure it to display the values of the Range Slider
- Add a second **Multi-chart**; have it use the data source (**TradePerform**):
``Date xasc select Date, Day4_Cumu, Day3_Cumu, Day2_Cumu, Day1_Cumu, Day0_Cumu from ChartDNA`
- Configure the second Multi-chart to display Day4_Cumu, Day3_Cumu, Day2_Cumu, Day1_Cumu, Day0_Cumu (“Trade Performance for days 0 to 4”). Connect it to the Range Slider



- Create a set of Highlight Rules to Show Changes in VWAP



it's about time

Navigation

Dashboards for Kx – “How to” Guide

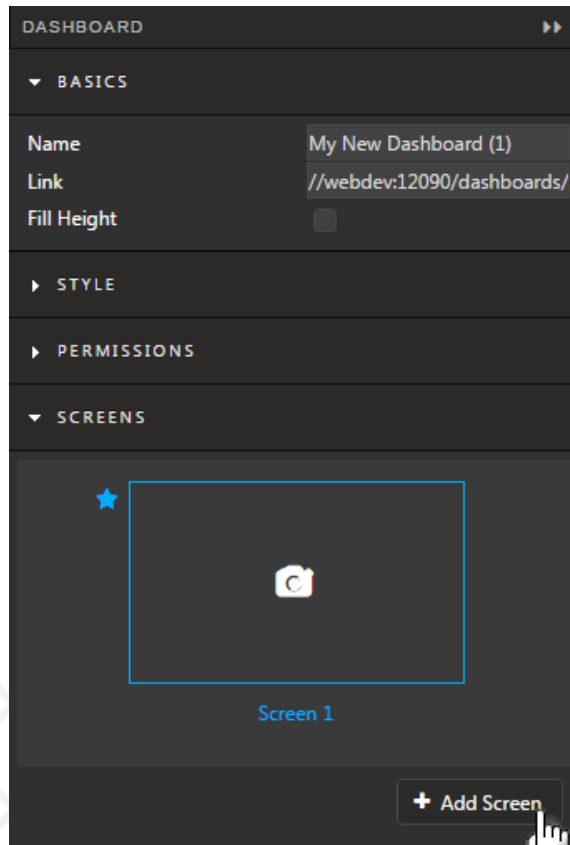


The Navigation component allows users to navigated between different dashboards, and different screens in the same dashboard. Viewstates can be shared across dashboards so information from one can be passed into another.

Add Screens to support multiple dashboard views in a single dashboard

Step: 1

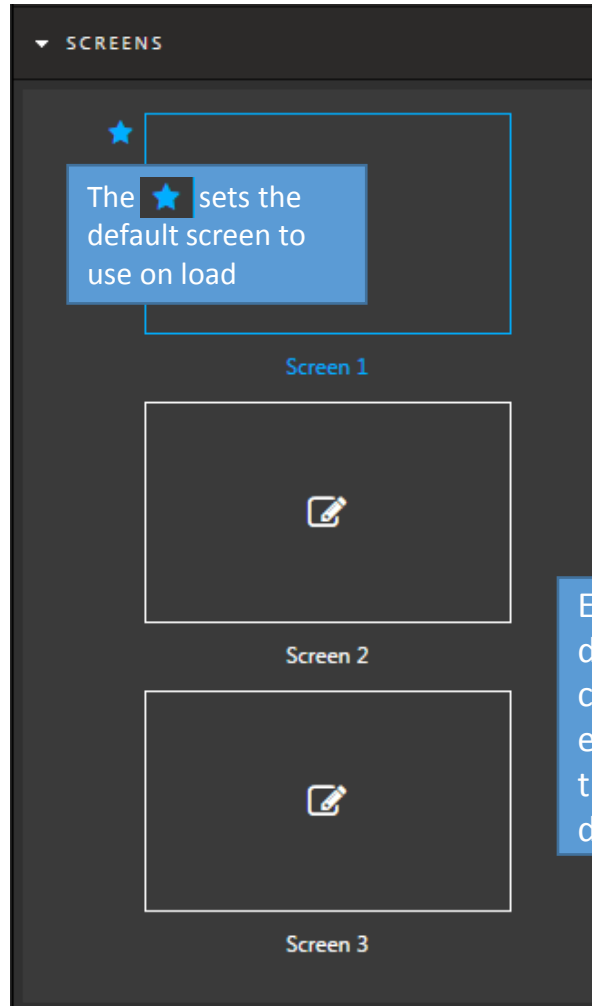
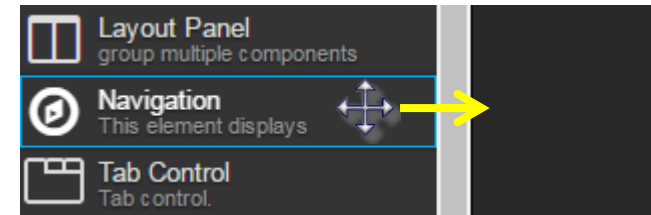
First create additional screens within the parent dashboard; these can be populated with earlier examples (optional)



Left-click

Step: 2

Left click-and-drag the *Navigation* component into Screen 1



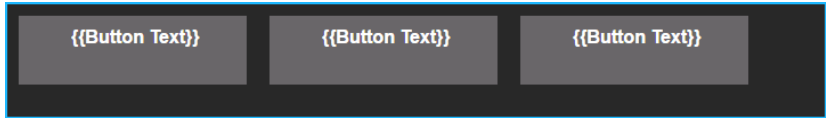
Each Screen can be its own dashboard with components. For example, each "Try Me" tutorial in this document could be done as a screen

Continued...

Step: 3 Add three Navigation buttons

NAVIGATION

- ▶ BASICS
- ▼ ACTION
- ▼ VIEWSTATE MAPPING
- + MAPPING
- ▶ BUTTON DEFAULTS
- ▼ BUTTONS
 - ▶ DETAILS 1
 - ▶ DETAILS 2
 - ▼ DETAILS 3
 - Open Dashboard on Select <none>
 - Icon <none>
 - Header Text {{Button Text}}
 - Content Text
 - Dashboard Info
 - Customise
 - Button Color
 - Icon Color
 - Border Color
 - Text Color



Step: 4 Configure individual button links

▼ DETAILS 1

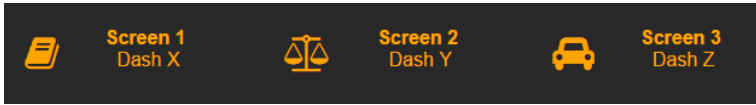
- Open Dashboard on Select <this>
- Screen 1
- Icon fa-book
- Header Text Screen 1
- Content Text Dash X
- Dashboard Info
- Customise
- Button Color
- Icon Color
- Border Color
- Text Color

▼ DETAILS 2

- Open Dashboard on Select <this>
- Screen 2
- Icon fa-balance-scale
- Header Text Screen 2
- Content Text Dash Y
- Dashboard Info
- Customise
- Button Color
- Icon Color
- Border Color
- Text Color

▼ DETAILS 3

- Open Dashboard on Select <this>
- Screen 3
- Icon fa-automobile
- Header Text Screen 3
- Content Text Dash Z
- Dashboard Info
- Customise ✓
- Button Color
- Icon Color
- Border Color
- Text Color



Step: 5 Change macro button styles; applied across all buttons

Property	Value
Layout	East-West
Alignment	left
Background	Color swatch
Button Margin	0
Icon Margin	0
Button Padding	0
Button Rounding	0
Border Width (px)	0
Border Colour	Color swatch
Text %	50
Text Color	Color swatch
Icon Color	Color swatch
Icon Size	30
Align Position	center
Show Tooltip	<input type="checkbox"/>
Fixed Size	<input checked="" type="checkbox"/>
Fixed Width	180
Fixed Height	40

Color selection dialog showing hex code #2a2a2a.

Step: 6 Style Individual Buttons

Property	Value
Open Dashboard on Select	<this>
Icon	Screen 1 fa-book
Header Text	Screen 1
Content Text	Dash X
Dashboard Info	
Customise	<input checked="" type="checkbox"/>
Button Color	Color swatch
Icon Color	Color swatch
Border Color	Color swatch
Text Color	Color swatch

Add a Navigation Component to each screen and dashboard



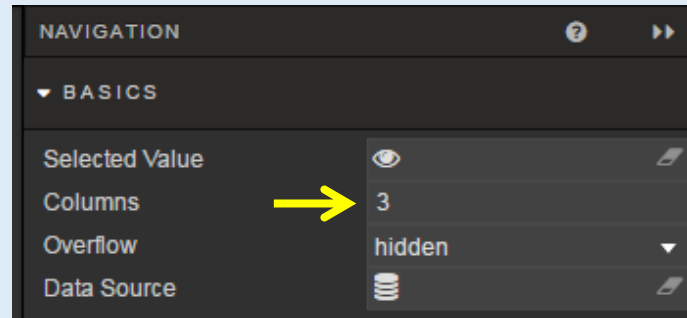
Use the keyboard cut-and-paste shortcut (CTRL+C / CTRL+V) to copy components within and across Dashboard screens.

Alternative Flexible Button Width

Step: 1 Uncheck *Fixed Size*



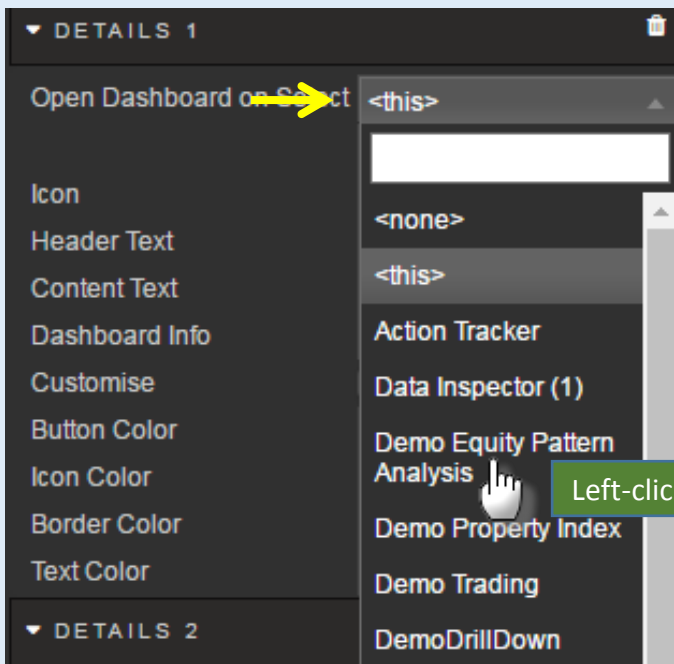
Step: 2 Set *Columns* to number of buttons to display



A *Column* value of '1' will stack buttons

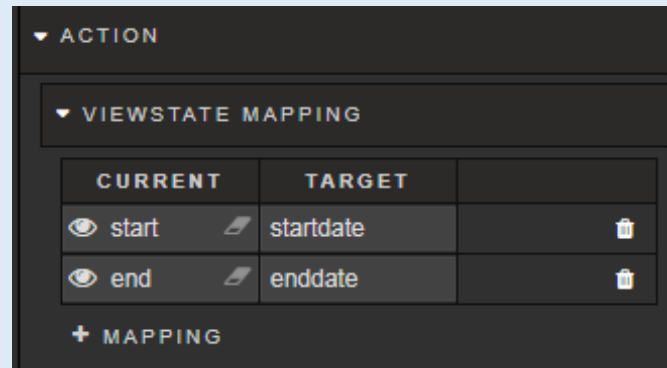
Alternative Navigate to other Dashboards

Step: 1 Select from Dropdown



Alternative Share View States Across Dashboards

Match dashboard *viewstates* to destination dashboard *viewstates*



It's necessary to create in the destination dashboard *viewstates* which match the name of the *Target*

- Create a Navigation Panel using a **Data Source**, and map a View State so a value from one dashboard is displayed in another.



There is no example in Html5evalcongroup which has a Navigation panel. This may require a local kdb connection for the **Data Source**

The screenshot shows the configuration for a 'NAVIGATION' panel. The 'BASICS' section includes 'Selected Value', 'Columns' (set to 3), 'Overflow' (set to hidden), 'Data Source', and 'Use Data Source'. The 'DATA SOURCE MAPPING' section lists various properties: Icon, HeaderText, ContentText, TooltipText, TargetDashboardId, TargetScreensId, ButtonColor, IconColor, BorderColor, and TextColor. A blue callout box with a yellow arrow points to the 'Data Source' field, stating: 'Data Source should include variables for items listed'.



it's about time

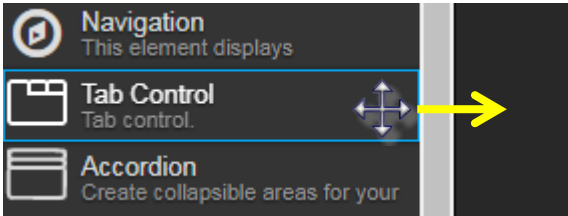
Tabs, Accordions & Layout Panels

Dashboards for Kx – “How to” Guide

Tabs, Accordion and Layout Panel allow for additional functionality and space inside a single Dashboard screen

Step: 1

Drag the Tab component into the dashboard



Step: 2

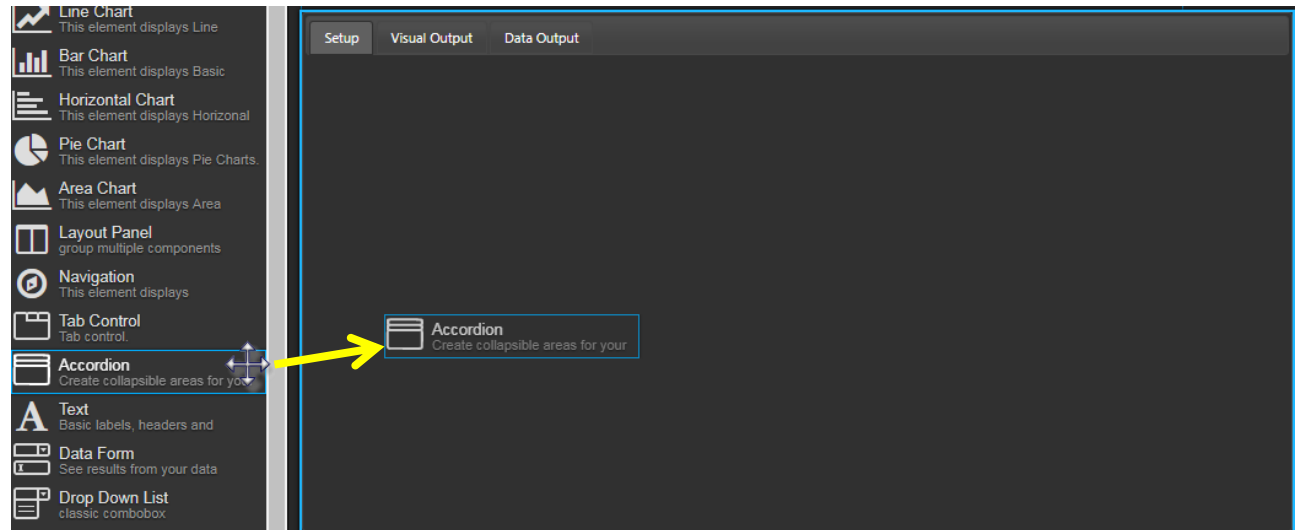
Add a new tab, and rename existing tabs + TAB



Left-click

Step: 3

Select the first tab ("Setup") and drag inside the Accordion component



Step: 4

Add a second section to the Accordion panel: + SECTION

ACCORDION

▼ BASICS

Direction Vertical

SECTIONS

▼ SECTION 1

Title Input I

Expanded

Weight 200

Resizable

Hide Title

▼ SECTION 2

Title Input II

Expanded

Weight 200

Resizable

Hide Title

+ SECTION

Left-click

Setup Visual Output Data Output

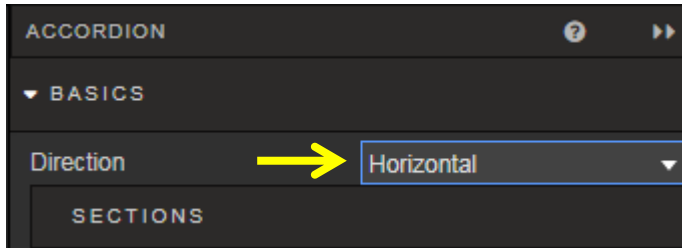
Input I

Input II

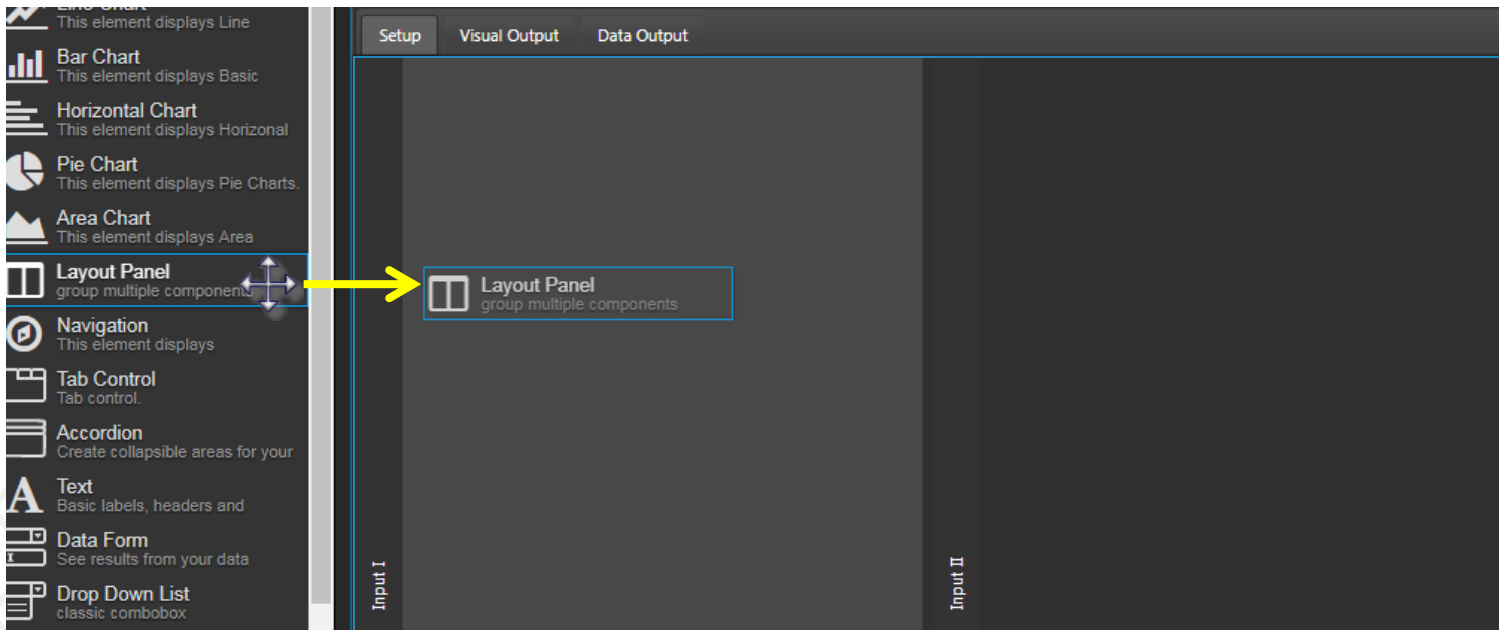


When working with Accordion sections, it's best to keep them in expanded mode so layout panel or components can be added to them. Expanded

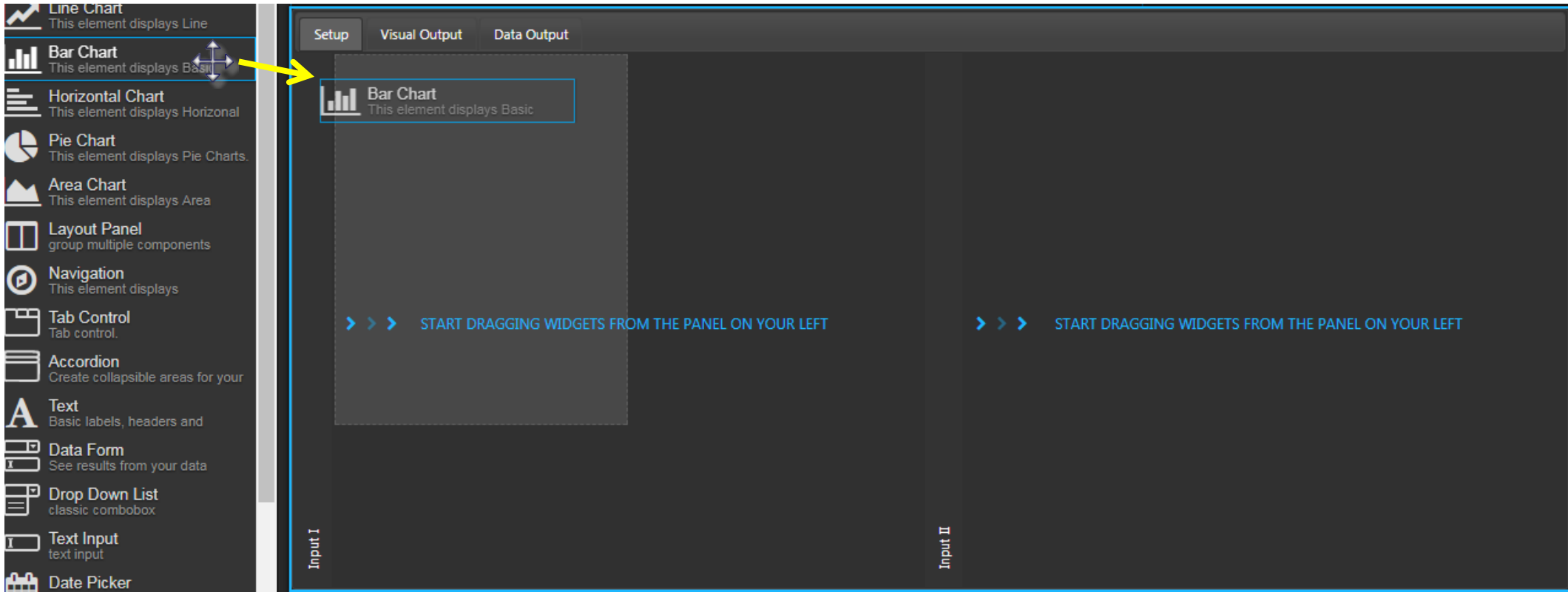
Step: 5 Switch Accordion view to Horizontal for vertical controlled accordion slider



Step: 6 Add a Layout panel to each Accordion section

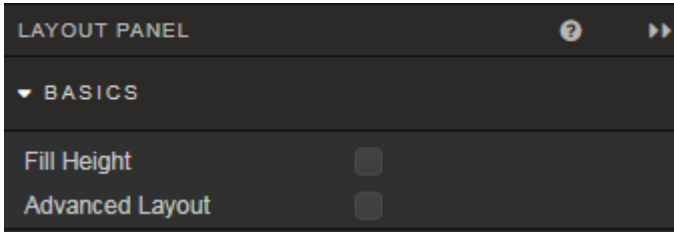


Step: 7 Add components to your Layout section

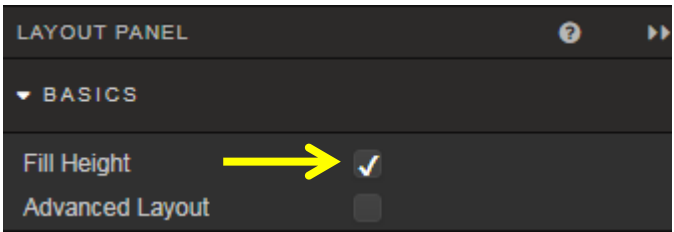


No Layout Panel is required if a Tab or Accordion section is only to house one component; simply drag-and-drop the component inside the Tab or Accordion section and the component will automatically resize to fill the Tab or Accordion panel.

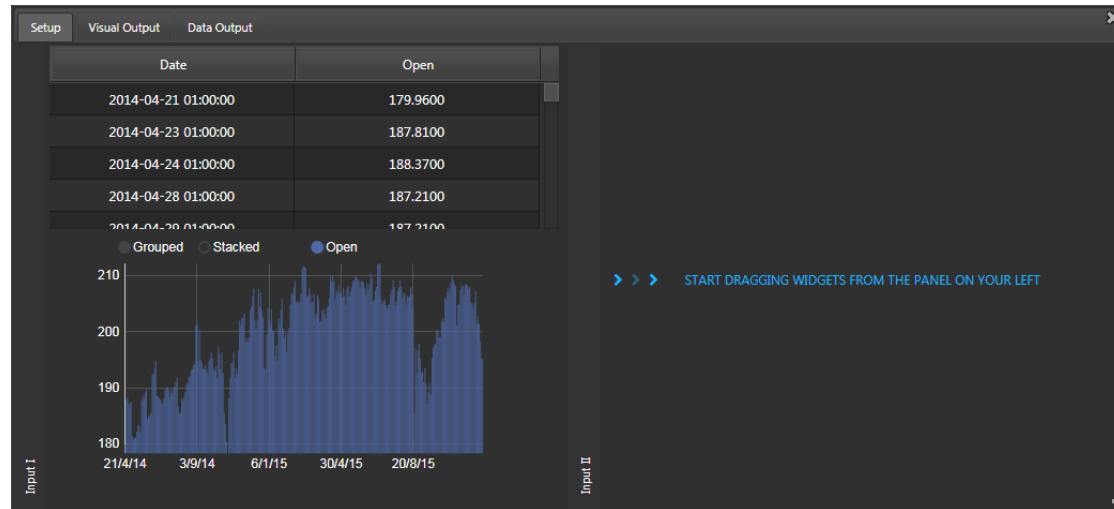
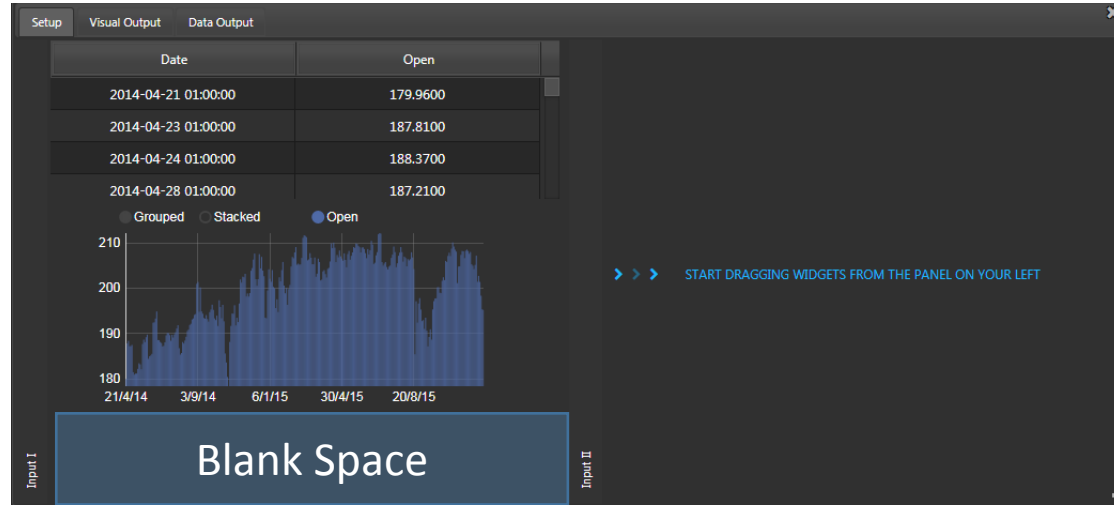
Step: 8 In Layout Panel, check *Fill Height* for components to fill the space of the Layout panel



Alternative
Advanced Layout will stack components;
good for dashboards configured for
mobile use



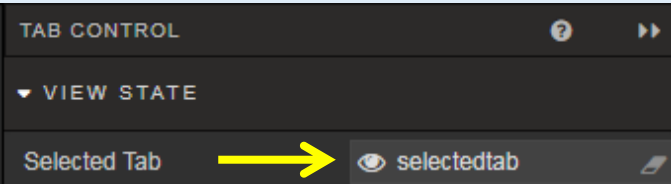
Once checked, it can be difficult to re-select the layout panel to make changes (1 px width selection area). Therefore, check this box as a last step when building dashboards



Alternative

Viewstate shared control of Tabs

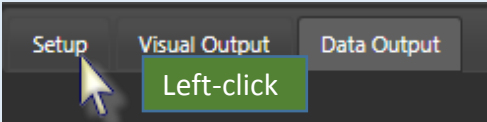
Step: 1 Assign a *viewstate* to Selected Tab



Step: 2 Add a Second Tab Component

Step: 3 Assign the second tab component *Selected Tab* the same *viewstate*

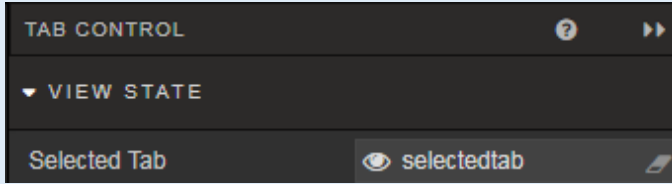
Step: 4 Switch between tabs of either Tab component



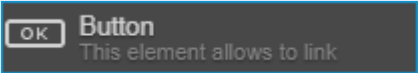
Alternative

Button control to open a particular Tab

Step: 1 Assign a *viewstate* to Selected Tab



Step: 2 Add a Button Component anywhere to the dashboard



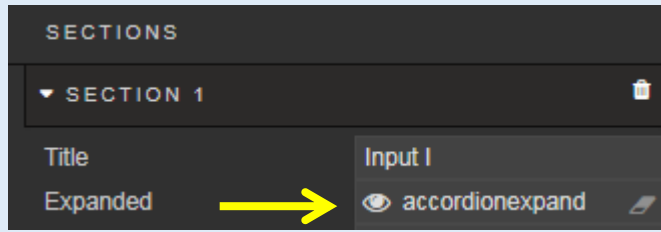
Step: 3 Set Button View State Mapping; '0' = Tab 1

VIEW STATE MAPPING	
CURRENT	TARGET
0	

Alternative

Accordion Expand control bound to Viewstate

Step: 1 Assign a *viewstate* to Accordion expand



Step: 2 Add a second Accordion

Step: 3 In the second Accordion, assign *Expanded* the *viewstate*

Step: 4 Expand paired section

A Button can also be used to control expansion. In Button *View State Mapping* set *Target* to and *Current* to "True"



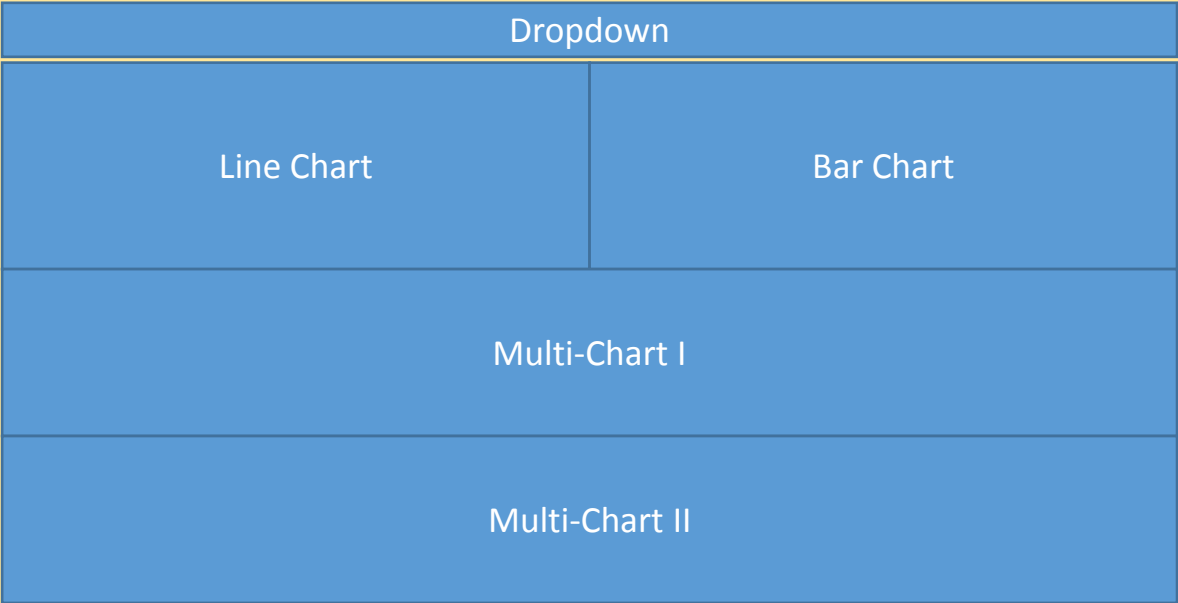
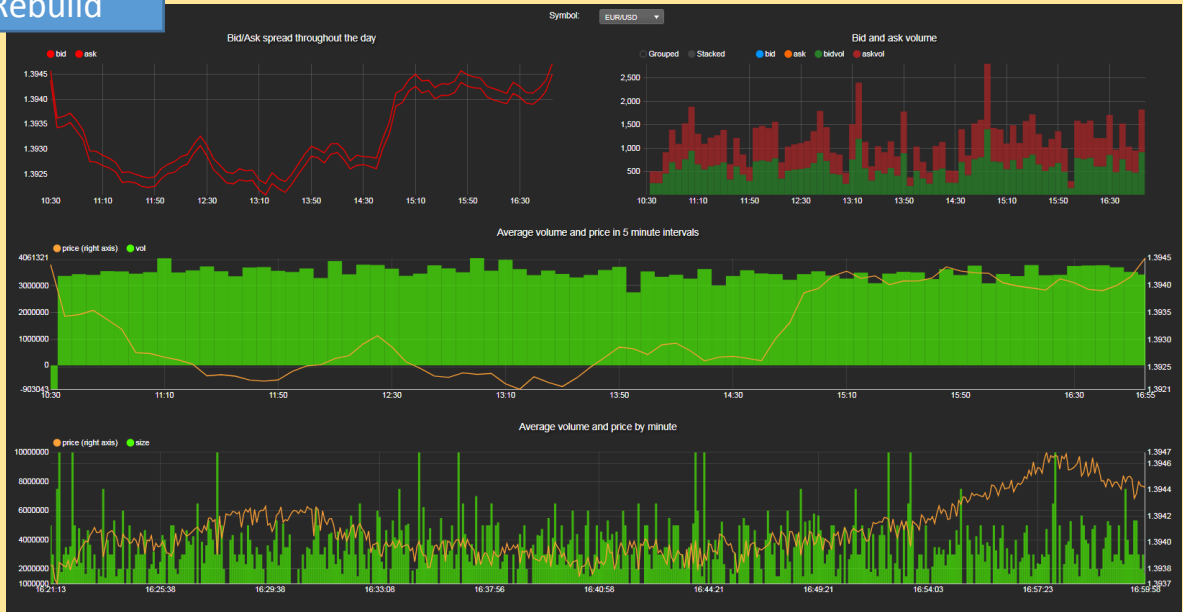
it's about time

Bring it Together

Dashboards for Kx – “How to” Guide

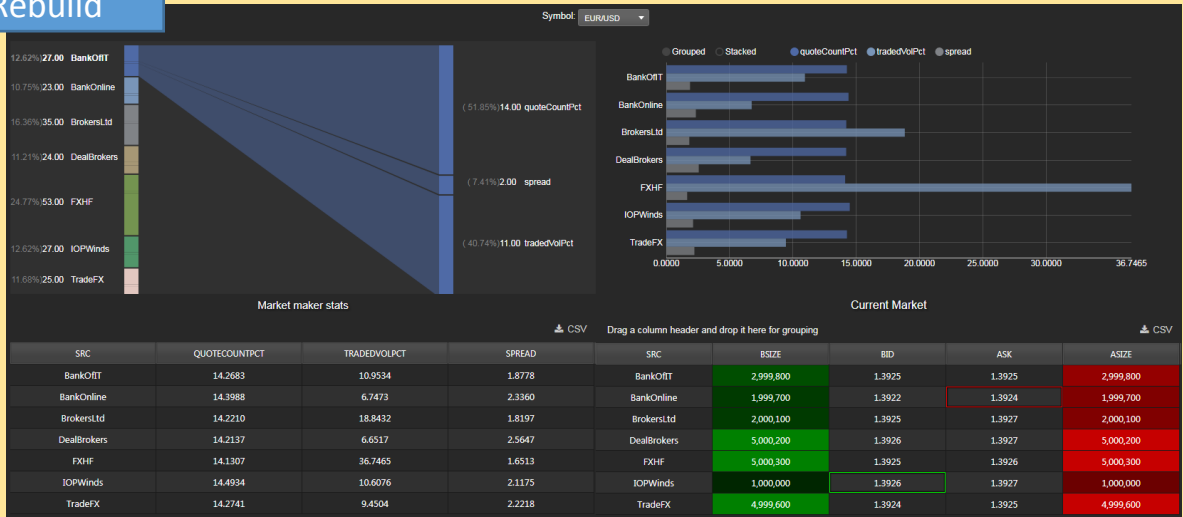


Rebuild



Component	All connect to <i>html5evalcngroup</i>
Dropdown	<code>([sym:asc exec distinct sym from dfxTrade)</code>
Multi-Chart	<code>{[symval] `minute xasc select avg bid,avg ask, bidvol:max(0;sum bsize)%1e06, askvol:max(0;sum asize)%1e06 by 5 xbar time.minute from dfxQuote where sym=symval}</code>
Bar Chart	
Multi-Chart I	<code>{[symval] `minute xasc select price:avg bid,vol:(avg bsize) by 5 xbar time.minute from dfxQuote where sym=symval}</code>
Multi-Chart II	<code>{[symval;side] -500 sublist \$[side=`bid;select price:avg bid,size:avg bsize by time.second from dfxQuote where sym=symval;select price:avg ask,size:avg asize by time.minute from dfxQuote where sym=symval]}</code>

Rebuild

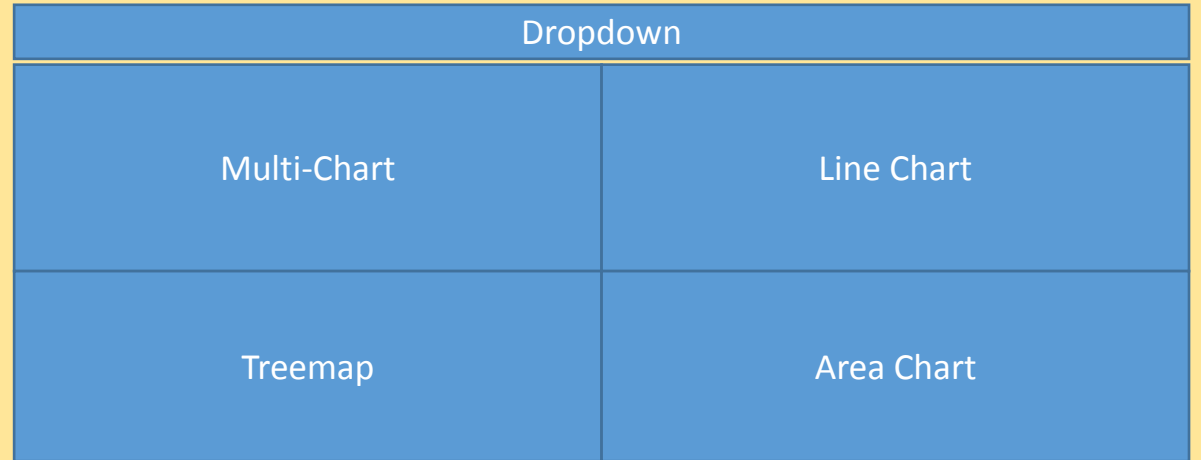
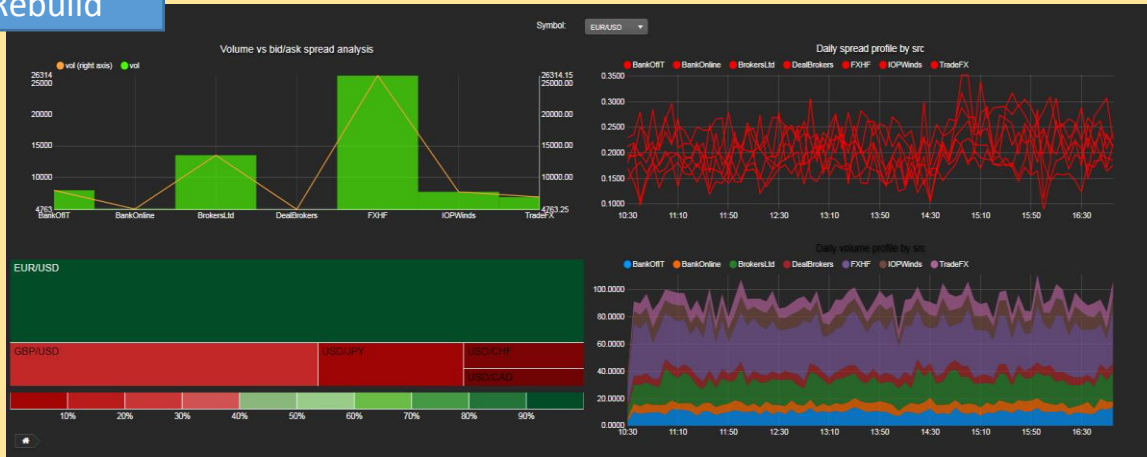


Dropdown	
Bipartite Chart <i>(Use lessons learned to configure)</i>	Horizontal Chart <i>(Use lessons learned to configure)</i>
Data Grid I	Data Grid 2

Component	All connect to <i>html5evalcngroup</i>
Dropdown	<code>([]sym:asc exec distinct sym from dfxTrade)</code>
Bipartite Chart	<code>{[symval] select src,quoteCountPct:100*numQuotes%sum numQuotes, tradedVolPct:100*size%sum size,spread from t:(select numQuotes:sum i,size:sum "f"\$size by src from dfxTrade where sym=symval) j select spread:10000*avg (ask-bid) by src from dfxQuote where sym=symval}</code>
Horizontal Chart	
Data Grid I	
Data Grid II*	<code>{[symval] `src xasc select last bsize,last bid,last ask,last asize by src from dfxRandomQuote where sym=symval}</code>

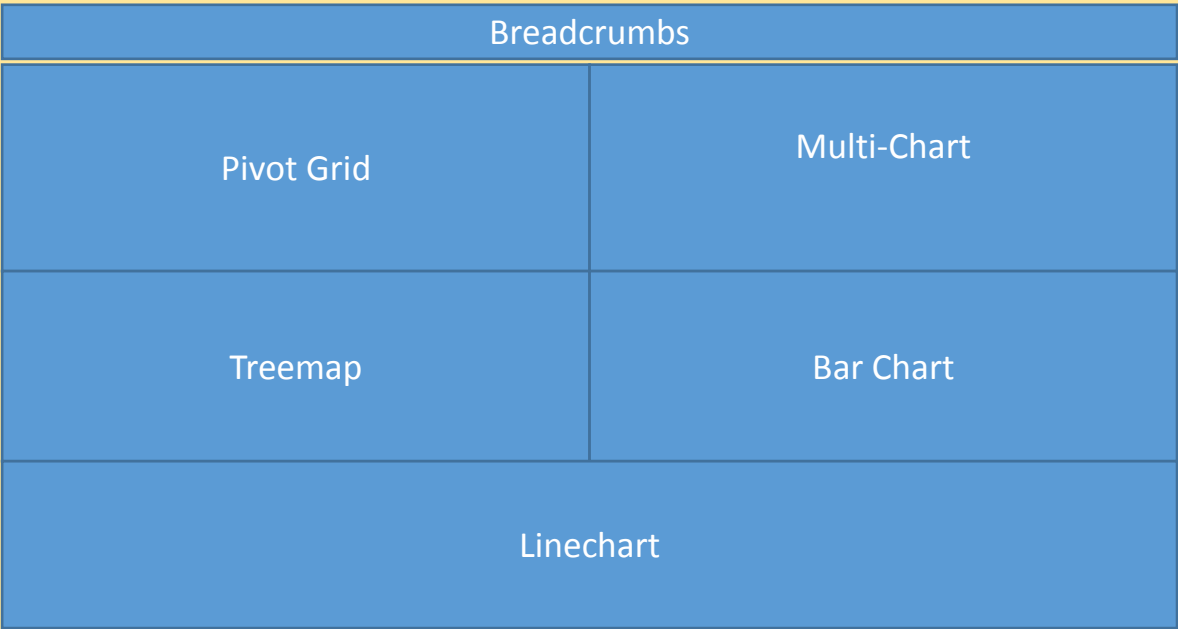
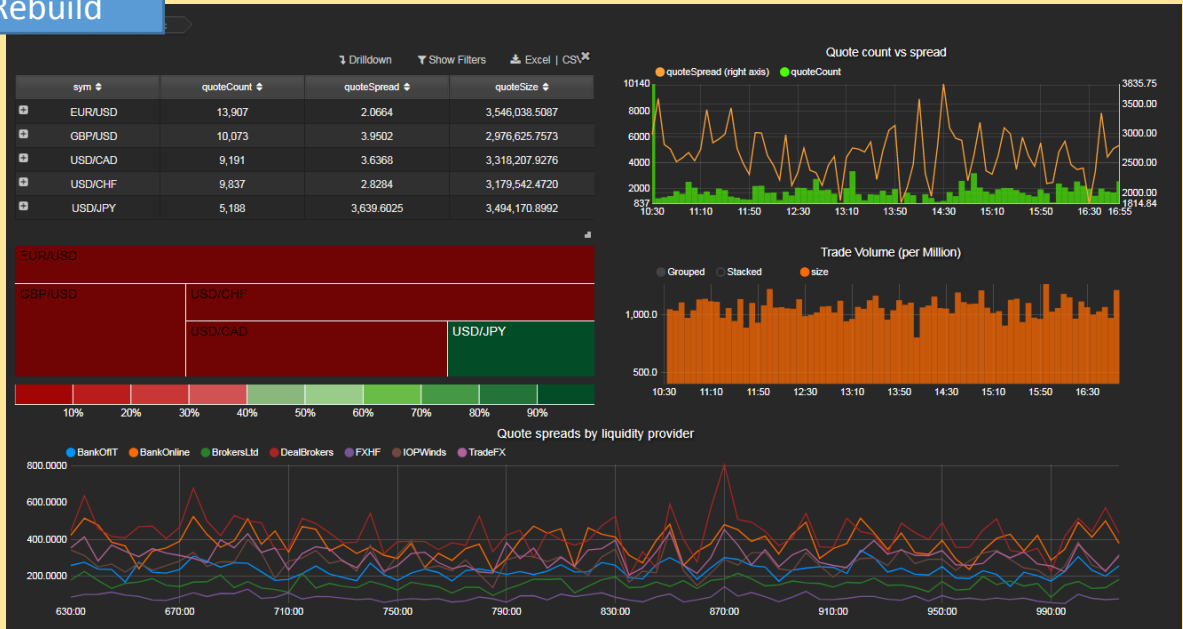
* Poll data at 1 second intervals

Rebuild



Component	All connect to <i>html5evalcongroup</i>
Dropdown	<code>{[sym:'All,asc exec distinct sym from dfxTrade]}</code>
Multi-Chart	<code>{[symval] select vol:sum ('float\$size)%1e6,avg price,avg spread by src from \${symval='All;dfxTrade;select from dfxTrade where sym=symval] lj select spread:1000*avg(ask-bid) by sym,src from dfxQuote}</code>
Line Chart	<code>{[symval] `minute xasc (select distinct minute from t) pj/ {[t;x] ?[select from t where src=x;()];(enlist `minute)!enlist `minute;(enlist x)!enlist (last;`spread)]}[t;] each exec distinct src from t:select spread:1000*avg (ask-bid) by src,5 xbar time.minute from \${symval='All;dfxQuote;select from dfxQuote where sym=symval}}</code>
Treemap	<code>dfxTrade (Breakdown: sym and src; avg-> size and avg -> price)</code>
Area Chart	<code>{[symval] `minute xasc (select distinct minute from t) pj/ {[t;x] ?[select from t where src=x;()];(enlist `minute)!enlist `minute;(enlist x)!enlist (last;`vol)]}[t;] each exec distinct src from t:select vol:sum ('float\$size)%10e6 by src,5 xbar time.minute from \${symval='All;dfxTrade;select from dfxTrade where sym=symval}}</code>

Rebuild



Component	All connect to <i>html5evalcongroup</i>
Pivot Grid	<code>{`sym`src`hour`minute xcols 0!select quoteCount:count i,quoteSpread:10000*avg (ask-bid),quoteSize:avg (bsize+asize)%2 by hour:`\$string time.hh,minute:`\$string 10 xbar time.minute, sym,src from dfxQuote where sym in exec distinct sym from dfxTrade[]}</code>
Multi-Chart	<code>{{[filters] filters:raze `\$`,`" vs string .c.f:filters; .c.res:select quoteCount:count i,quoteSpread:10000*avg (ask-bid),quoteSize:avg (bsize+asize)%2e6 by 5 xbar time.minute from \$[0=count filters;dfxQuote;1=count filters;\$[null first filters;dfxQuote;select from dfxQuote where sym=first filters];2=count filters;select from dfxQuote where sym=filters[0],time.hh=" \$string filters[1];3=count filters;select from dfxQuote where sym=filters[0],time.hh=" \$string filters[1],src=filters[2];()}}</code>
Horizontal Chart	<code>{{[filters] filters:raze `\$`,`" vs string .c.tf:filters; .select avg price,sum size%1e6 by 5 xbar time.minute from .c.t:\$[0=count filters;dfxTrade;1=count filters;\$[null first filters;dfxTrade;select from dfxTrade where sym=first filters];2=count filters;select from dfxTrade where sym=filters[0],time.hh=" \$string filters[1];3=count filters;select from dfxTrade where sym=filters[0],time.hh=" \$string filters[1],src=filters[2];()}}</code>
Treemap	<code>{`sym`src`hour`minute xcols 0!select quoteCount:count i,quoteSpread:10000*avg (ask-bid),quoteSize:avg (bsize+asize)%2 by hour:`\$string time.hh,minute:`\$string 10 xbar time.minute, sym,src from dfxQuote where sym in exec distinct sym from dfxTrade[]}</code>
Data Grid II*	<code>{[symval] `src xasc select last bsize,last bid,last ask,last asize by src from dfxRandomQuote where sym=symval}</code>

Navigation Component: Market / Liquidity / Drill down jump point

Tab 1: Market Share

Tab 2: Market Maker

Tab Dashboards (Use Layout Panel)



it's about time



Demo POC presentation

Dashboards for Kx – “How to” Guide

kx

momo

it's about time





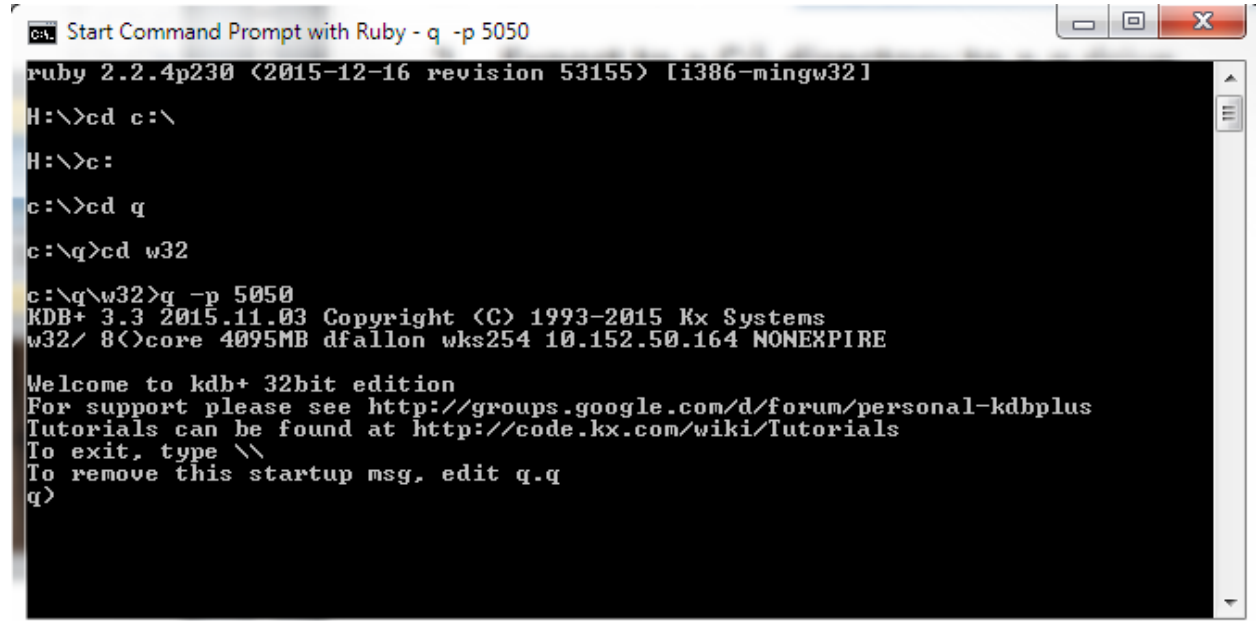
it's about time

q install

Dashboards for Kx – “How to” Guide



1. Download kdb: <http://kx.com/software.php>
2. Export to a C:\ directory to a q drive
3. Open CMD Prompt
 - cd c:\
 - Cd q
 - Cd w32
 - q -p 5050

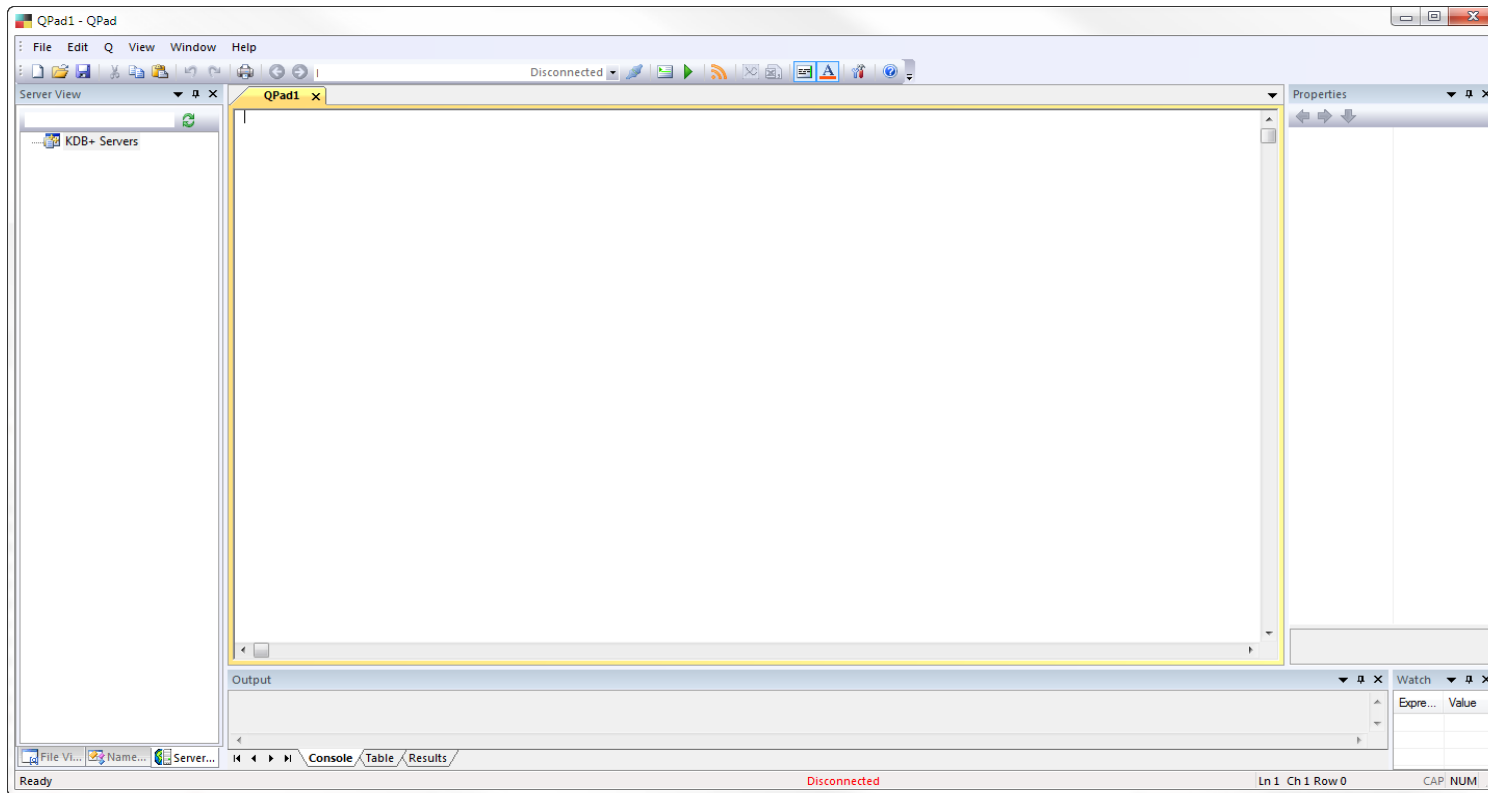


1. Create a directory [Data] in q directory
2. Save or copy csv files to this directory
3. At q> prompt (in CMD window), run the data import; for example
 - PivotData: ("ZSSSJDS DSSSSSSSSSSSSSSSSSFSSFFFFFFFFFFFFFFF"; enlist ",") 0: `:/q/data/PivotData.csv;

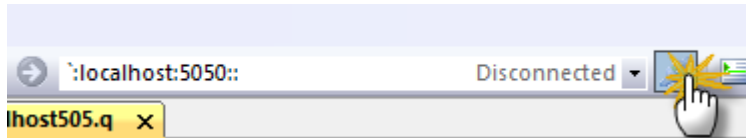
```
q>PivotData: (<"ZSSSJDS DSSSSSSSSSSSSSSSSSFSSFFFFFFFFFFFFFFF"; enlist ",") 0: `:/q/data/PivotData.csv;
q>PivotData
time                sym   ccyGrp   dealType  tradeId   tradeDate  dire..
-----
2014.02.24T08:00:11.113 USDJPY Top_5     SPOT      1015334491 2014.02.24 Buy ..
2014.02.24T08:00:11.894 USDJPY Top_5     FORWARD  1015334491 2014.02.24 Buy ..
2014.02.24T08:00:12.565 USDCNH EM       NDF       1400535900 2014.02.24 Buy ..
2014.02.24T08:00:18.114 EURUSD Top_5     FORWARD  1016318587 2014.02.24 Sell ..
```

Dashboard file name: ("column formats"; enlist ",") 0: `:/source file name & address;

1. Install 64-bit QPad from <http://www.qinsightpad.com/>
2. Run

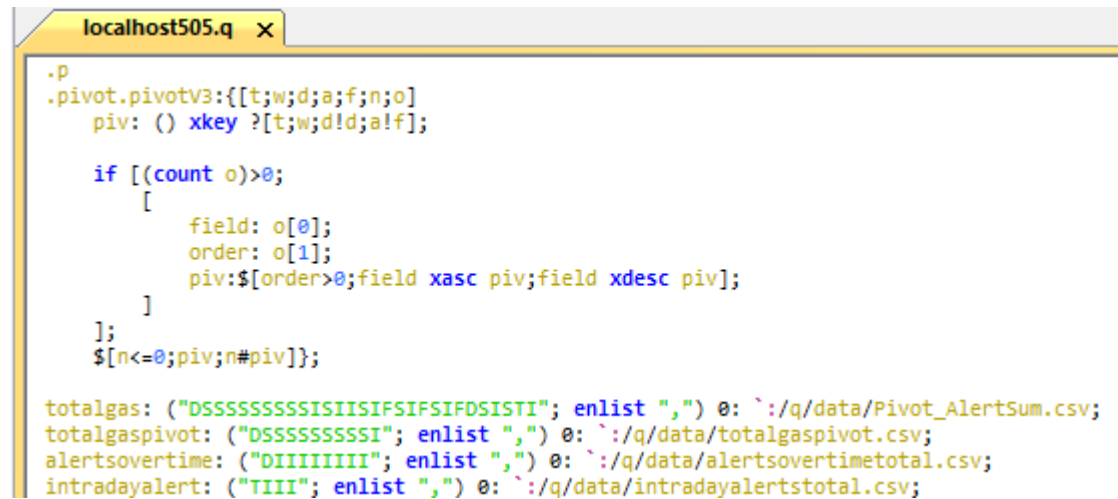



1. Connect to Server:localhost on port 5050



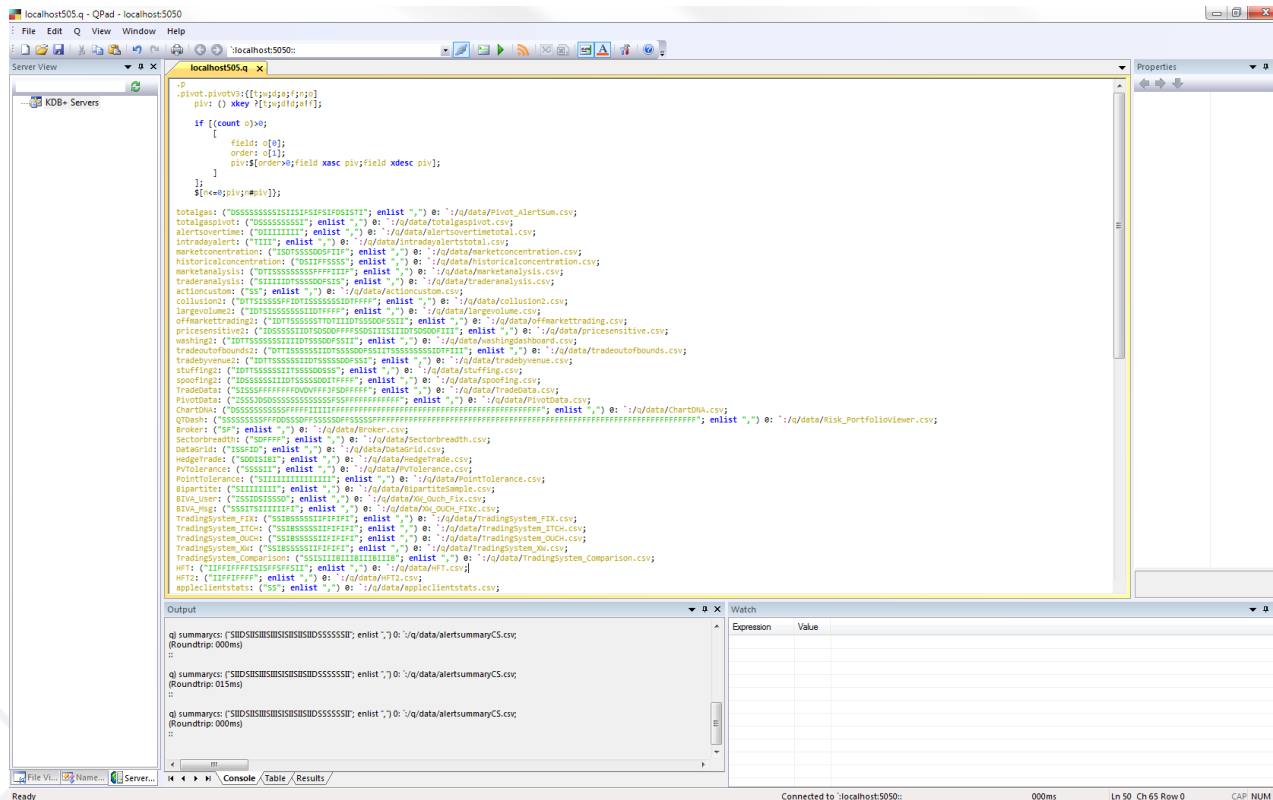
2. Write into the editor

```
.pivot.pivotV3:{{t;w;d;a;f;n;o}
piv: () xkey ?{t;w;d!d;a!f};
if [(count o)>0;
  [
    field: o[0];
    order: o[1];
    piv:${order>0;field xasc piv;field xdesc piv};
  ]
];
${n<=0;piv;n#piv}};
```



1. Run 
2. Add Data with; for example:

PivotData: ("ZSSSJDSDSSSSSSSSSSSSSFSSFFFFFFFFFFFFFFF"; enlist ",") 0: `:/q/data/PivotData.csv;



1. In Dashboards, create a connection for localhost

Localhost	
Name:	<input type="text" value="Localhost"/>
Host:	<input type="text" value="wks254"/>
Port:	<input type="text" value="5050"/>
User:	<input type="text"/>
Password:	<input type="password"/>
Confirm Password:	<input type="password"/>
Type:	<input type="text" value="q"/>
Driver:	<input type="text"/>

Host: *is PC name (e.g. wks254). Do not use "localhost" for Host*

1. In the Dropdown, select database connection

Connect to your newly added (local) kdb server

1 PivotData

Pivot Query

Static Managed Polling

Results Data Tree Raw Output Max rows: 100

TIME	SYM	CCYGRP	DEALTYPE	TRADEID	TRADEDATE	DIRECTION
2014-02-24 0...	USDJPY	Top_5	SPOT	1,015,334,491	2014-02-24	Buy
2014-02-24 0...	USDJPY	Top_5	FORWARD	1,015,334,491	2014-02-24	Buy
2014-02-24 0...	USDCNH	EM	NDF	1,400,535,900	2014-02-24	Buy
2014-02-24 0...	EURUSD	Top_5	FORWARD	1,016,318,587	2014-02-24	Sell
2014-02-24 0...	USDCAD	G15 Direct	NDF	900.364.573	2014-02-24	Sell

Select Item Apply Close



If using a local connection, Control for Kx specific apps, **Action Tracker**, and **Order Book Replay** won't be configurable