

DashBuilder Layout API

DashBuilder



Dashbuilder

“Dashbuilder is a full featured web application which allows non-technical users to visually create business dashboards”

Dashbuilder is also part of Business Central!

Data Sets



Bean



CSV



SQL



Elastic Search



Prometheus




Kafka



Execution Server

Pages and Content Manager

 Pages

New

<

Dados Queimadas por Estado

Disney Movies

EmbeddedPage

index


Metal Bands

Metal Bands by Country

Netflix Titles Summary

Tests

Content Manager



Content Management

From here you can create & customize both the application content and its navigation menus. You can start by creating a [new Page](#)

New Page

Page Structure

The screenshot displays a 'Page Editor [structure]' interface. On the left, a 'Components' sidebar lists 'Core' (HTML, Page, Logo) and expandable sections for 'Navigation', 'Reporting', and 'Heatmaps'. The main editor area shows a page structure with four rows: 'ROW1', 'ROW2' (containing three columns), 'ROW3' (containing two columns of three components each), and 'ROW4'. Each component has a three-dot menu icon. The top of the editor has tabs for 'Editor' and 'Preview', and buttons for 'Save', 'Delete', 'Rename', 'Copy', and a zoom icon. On the right, a 'Properties' panel shows the 'Page' element selected, with expandable sections for 'Panel', 'Margin', and 'Padding'.

Components

- Core
 - HTML
 - Page
 - Logo
- > Navigation
- > Reporting
- > Heatmaps

Page Editor [structure] Save Delete Rename Copy

Editor Preview

ROW1

ROW2 COL1 ROW2 COL2 ROW2 COL3

ROW3 COL1 COMP1 ROW3 COL2 COMP1

ROW3 COL1 COMP2 ROW3 COL2 COMP2

ROW3 COL1 COMP3 ROW3 COL2 COMP3

ROW4

Properties

Element

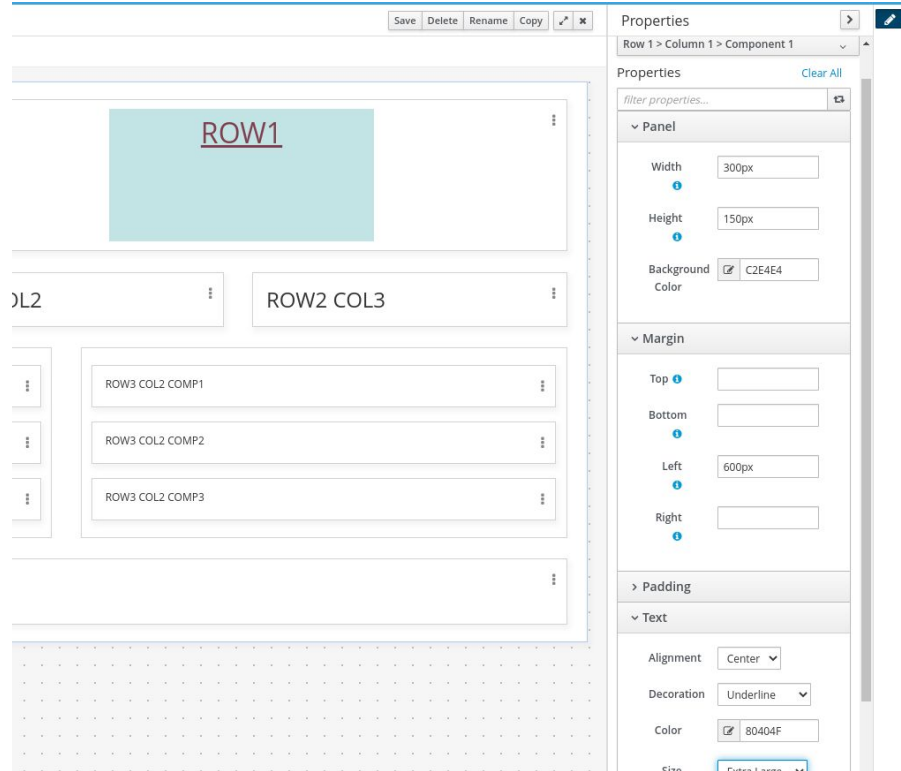
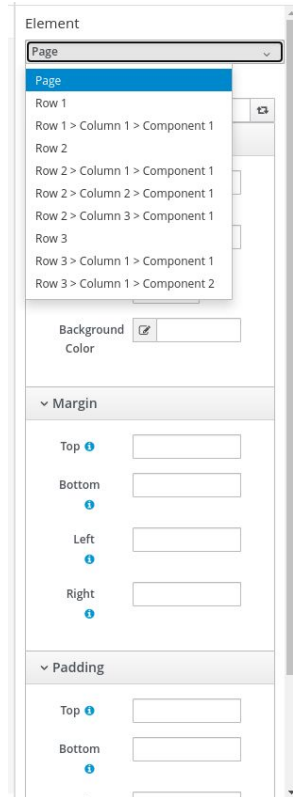
Page

Properties

filter properties...

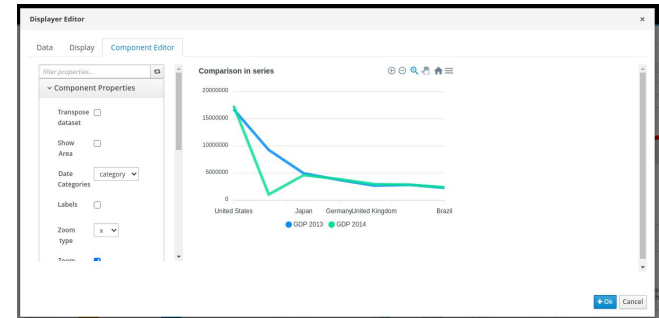
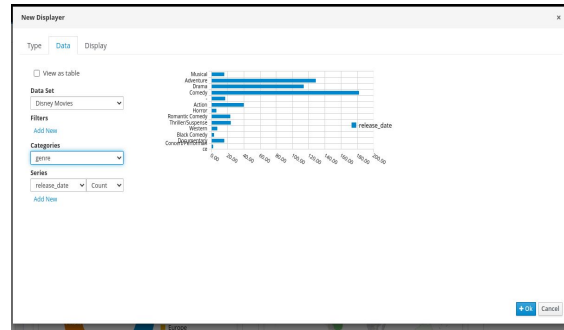
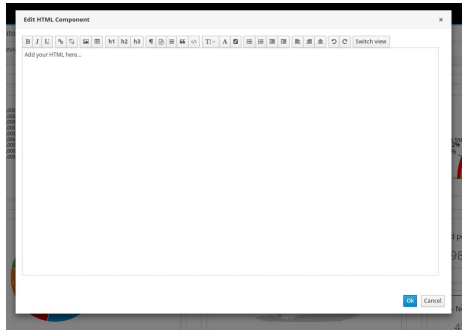
- > Panel
- > Margin
- > Padding

Layout CSS Properties

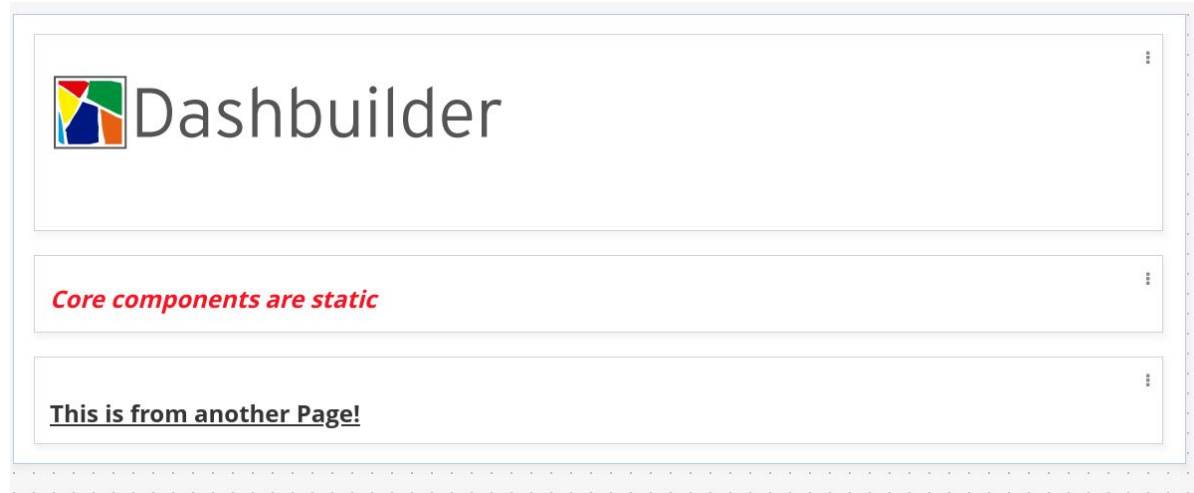


Component Types

- **Static Components** Does NOT use data
- **Navigation:** To embed navigation in the page
- **Dynamic Components:** Makes use of datasets
- **External components:** Built by users - can be static or dynamic



Core Components



Navigation Components

Navigation

Menu Bar

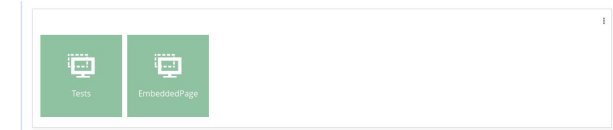
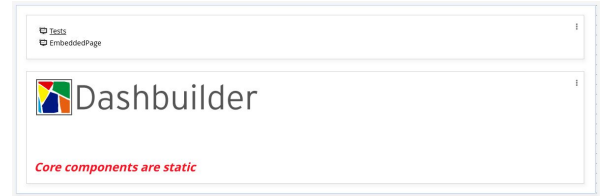
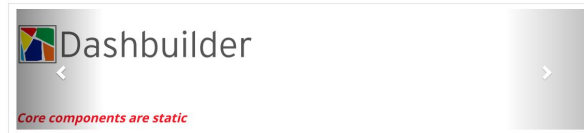
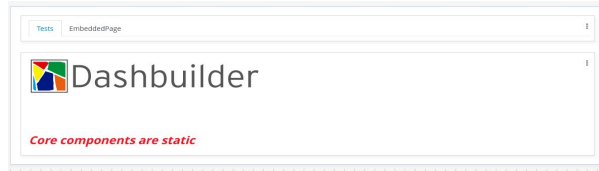
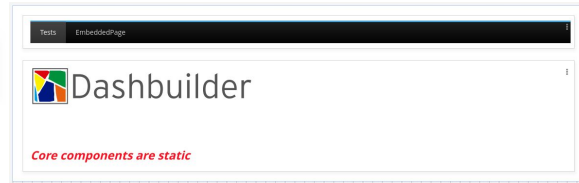
Tree

Carousel

Tab List

Tile Navigator

Target Div



Reporting Components

▼ Reporting



Bar



Pie



Line



Area



Bubble



Meter



Map



Metric



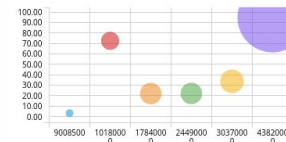
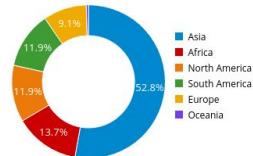
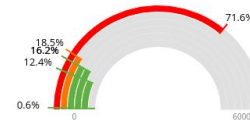
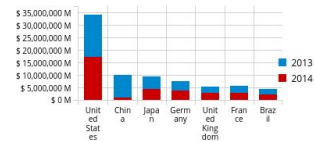
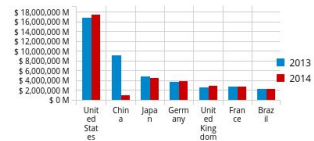
Table



Filter



Time Series Chart



World population

42,987 MM people in the world

- New Displayer -

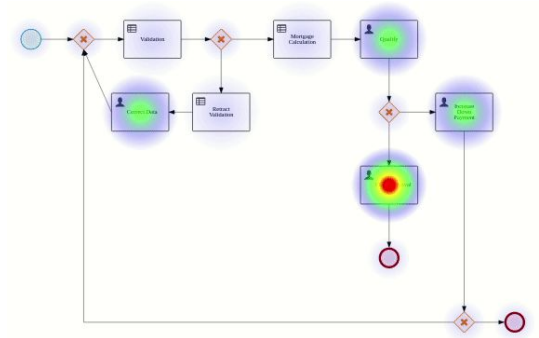
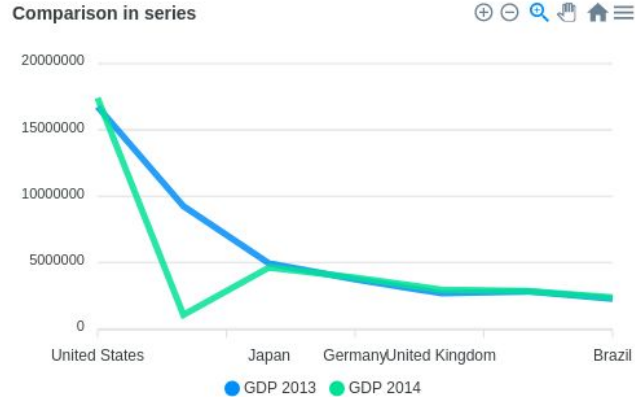
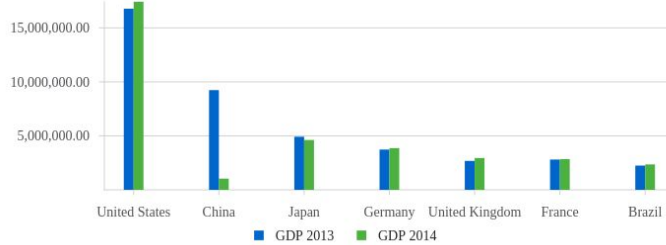
42,987 MM

World population : 42,987 MM

World population

42,987 MM

External Components



<https://blog.kie.org/2021/02/dashbuilder-external-components-javascript-api-2.html>

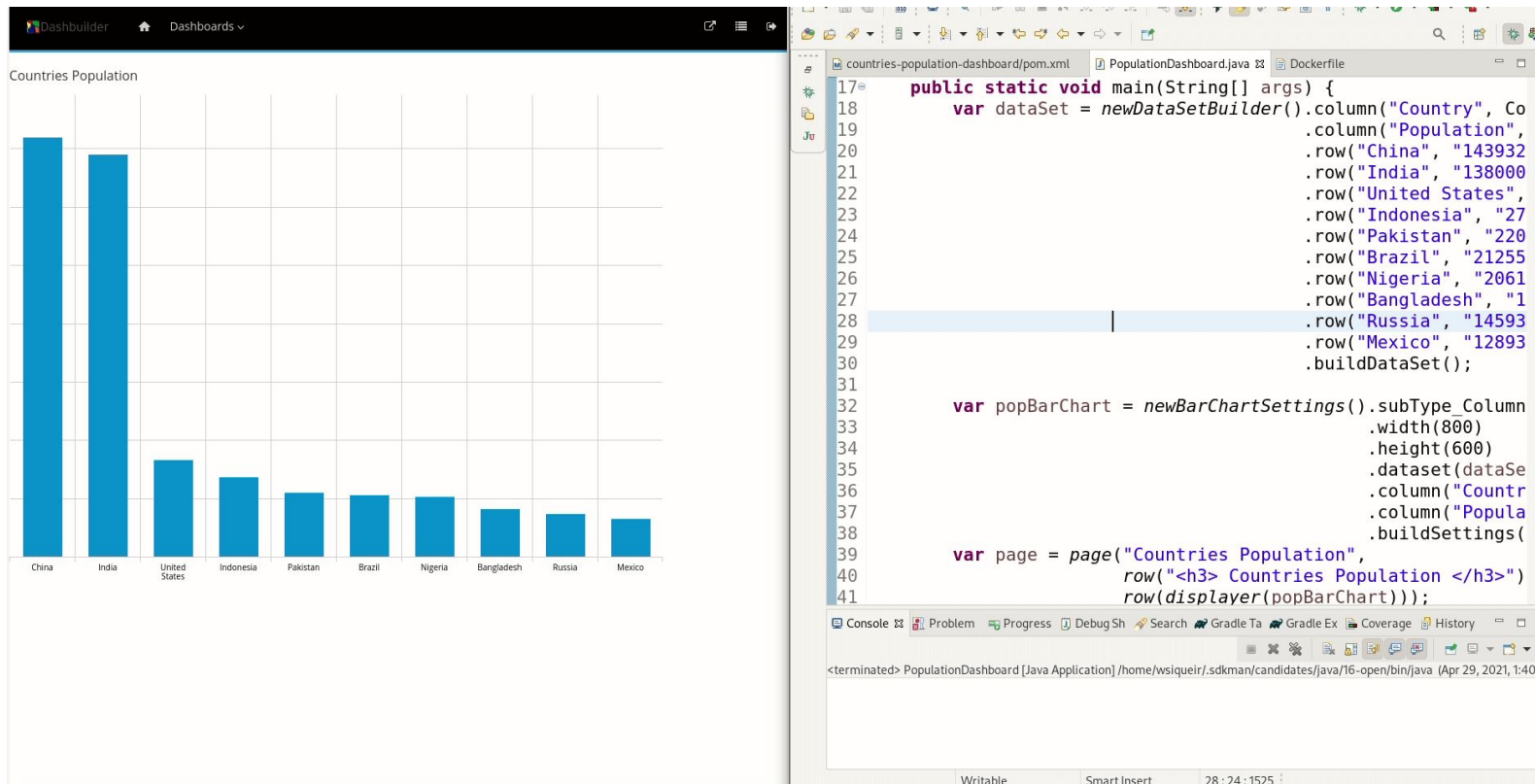
Layout JSON File

```

"version": 3,
"name": "demo-time-series",
"style": "FLUID",
"layoutProperties": {},
"rows": [
  {
    "height": "12",
    "properties": {},
    "layoutColumns": [
      {
        "span": "12",
        "height": "12",
        "properties": {},
        "rows": [],
        "layoutComponents": [
          {
            "dragTypeName": "org.dashbuilder.client.editor.external.ExternalDisplayerDragCom
ponent",
            "properties": {
              "componentId": "time-series-provided",
              "json": "{\n  \"uuid\": \"gwt-uid-107\", \n  \"type\": \"EXTERNAL_COMPONENT\", \n
\n  \"external_component_id\": \"time-series-provided\", \n  \"time-series-provided\": {\n  \"
transposed\": \"false\", \n  \"showArea\": \"false\", \n  \"xaxisType\": \"category\", \n
\n  \"dataLabels\": \"false\", \n  \"type\": \"x\", \n  \"enabled\": \"true\", \n  \"autoScaleY
axis\": \"false\", \n  \"autoSelected\": \"zoom\", \n  \"text\": \"Comparison in series\", \n
\n  \"align\": \"left\", \n  \"show\": \"true\", \n  \"chartName\": \"Newchart\", \n  }, \n  \"
chart\": {\n  \"width\": \"1300\", \n  \"height\": \"1000\", \n  }, \n  \"dataSetLookup\": {\n
\n  \"dataSetUuid\": \"2817275b-2798-4750-bb2d-0e132b48f384\", \n  \"rowCount\": \"-1\", \n
\n  \"rowOffset\": \"0\", \n  \"groupOps\": [\n  {\n  {\n  \"source\": \"TIME\", \n  \"column\": \"TIME\", \n  }, \n
\n  {\n  \"source\": \"VALUE\", \n  \"column\": \"column\", \n  \"valueFunctions\": [\n
\n  ], \n  \"join\": \"false\", \n  }, \n  ], \n  }\n}"}
            },
            "parts": []
          }
        ]
      }
    ]
  }
]
}

```

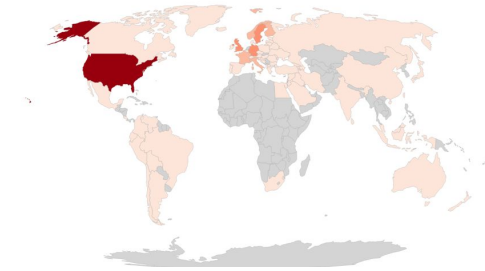
Layout Java API



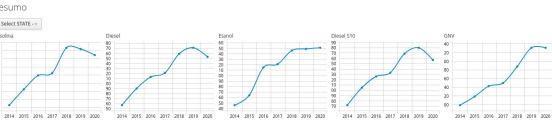
Sample Dashboards

<http://appcombo.com.br>

Metal Bands \m/
A summary of metal bands from all over the world.
Based on Kaggle Metal Bands by Nation dataset.



Preço dos Combustíveis



Todos dados

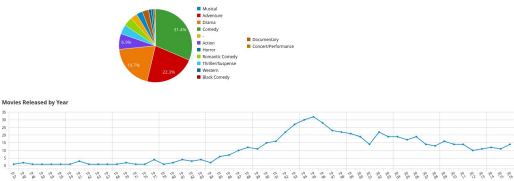
MONTH	YEAR	STATE	TYPE	MPG	AVG	MAX
4.00	2020	MS	GASOLINA	5.64	4.32	5.00
5.00	2018	SE	DIESEL S10	3.90	5.76	4.12
9.00	2017	PR	DIESEL S10	2.99	3.17	3.49
10.00	2015	CE	DIESEL	2.79	3.02	3.21
11.00	2014	CE	GNV	1.88	1.98	2.09
1.00	2015	CE	GNV	1.97	2.10	2.25
11.00	2019	PI	DIESEL S10	3.70	3.90	4.28
3.00	2019	TO	DIESEL	3.28	3.40	4.95
6.00	2019	PA	GASOLINA	3.67	4.10	4.38
7.00	2017	PI	DIESEL	2.80	3.04	3.30

Online Streaming

Dashboards created based on Kaggle DataSets:

- Netflix Titles
- Disney Movies

Netflix Titles Summary
Disney Movies Summary by Genre



COVID in Brazil Dashboards

Dashboards based on covid19br git repository.

