

DashboardWidget

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DashboardWidget

Kind: Class

Source: Pams/Web/Pams.Web/Client/app/models/dashboard/dashboard-widget.model.ts (line 10)

Part of: Pams

DashboardWidget models a dashboard widget and coordinates its labels, data source state, color settings, schema, selections, and chart data. It is used by dashboard UI code to rebuild widget state when data or display configuration changes.

Methods

Method	Signature	Returns
syncLabels	syncLabels(source: Array<string>)	void
DataSourceChanged	DataSourceChanged()	void
ChangeColor	ChangeColor(serial: string, value: string)	void
UpdateColors	UpdateColors()	void
BuildSchema	BuildSchema()	void
CombaineSelection	CombaineSelection()	void
updateChartsColor	updateChartsColor()	void
createPieData	createPieData(dataSource: undefined, chart: undefined)	void

Properties

Property	Type
ID	number
PrimaryID	number

Property	Type
FilterEditingObject	FilterEditingObject[]
DisplayID	string
Caption	string
DatasourceInit	any[]
Datasource	any
OrginalDatasource	any
MasterFilter	boolean
AcceptFilter	any[]
charts	any
FilterString	string
FilterSelectionType	string
ChartSeriseSelectionType	string
CurrentData	any
table	Table
view	View
isTable	boolean
CenterRange	boolean
Operations	any[]
DataOperations	DashboardDataFields[]
IsSelected	boolean
isNested	boolean
Stacked	boolean
ExpBar	boolean
selectedArgument	Array<DimensionField>
selectedSerise	Array<DimensionField>
AutoColoredMeasure	boolean
Colorschemalist	Array<schema>
colorCounter	number

Property	Type
colorPlatte	any[]
Item	GridStackItem
WidgetType	DashboardWidgetTypeEnum
GridStackMainWidth	number
ColorContext	any
ColorBehavior	boolean
widgetLabels	Array<{label:string ,priority:number}>
ColumnFields	any[]
ValueFields	any[]
GroupByFields	any[]
XaxisFields	any[]
YaxisFields	any[]

Where it refuses work

- DashboardWidget stops the work with an early return when `inx == all_Fields.length` .

Diagram

```
graph LR
  DataSource[Data source change] --> DataSourceChanged
  DataSourceChanged --> BuildSchema
  BuildSchema --> CombaineSelection
  CombaineSelection --> createPieData
  Labels[Label updates] --> syncLabels
  Colors[Color changes] --> ChangeColor
  ChangeColor --> UpdateColors
  UpdateColors --> updateChartsColor
  createPieData --> Chart[Chart rendering]
  updateChartsColor --> Chart
```

Usage

```
import { DashboardWidget } from './models/dashboard/dashboard-widget.model';

function refreshDashboardWidget(widget: DashboardWidget): void {
```

```

widget.DataSourceChanged();
widget.BuildSchema();
widget.CombineSelection();

widget.syncLabels();
widget.UpdateColors();
widget.updateChartsColor();

widget.createPieData();
}

```

AI Coding Instructions

- Call `DataSourceChanged()` before rebuilding schema or chart data after the widget's data source changes.
- Keep label updates in `syncLabels()` so displayed labels remain aligned with widget configuration.
- Use `ChangeColor()`, `UpdateColors()`, and `updateChartsColor()` together when changing chart colors.
- Rebuild selection state with `CombineSelection()` before generating data through `createPieData()`.
- Preserve the existing method naming when integrating with callers, including `CombineSelection()`.

Relationships

- IMPORTS → `DashboardWidgetTypeEnum`
- IMPORTS → `Table`
- IMPORTS → `View`
- IMPORTS → `platte`
- IMPORTS → `Query`
- IMPORTS → `DashboardDataFields`
- IMPORTS → `DataTypeEnum`
- IMPORTS → `OperationTypeEnum`
- IMPORTS → `QueryTypeEnum`
- IMPORTS → `chartType`
- IMPORTS → `DimensionField`

Used by

6 references from 6 files. Each is a place in this repository where the symbol is actually used — go read one rather than trusting an example.

Imported by (6)

- `GridBarChartComponent` — `Pams/Web/Pams.Web/Client/app/components/shared/grid-bar-chart/grid-bar-chart.component.ts :1`
- `PamsBarChartComponent` — `Pams/Web/Pams.Web/Client/app/components/shared/pams-bar-chart/pams-bar-chart.component.ts :1`
- `PamsPieChartComponent` — `Pams/Web/Pams.Web/Client/app/components/shared/pams-pie-chart/pams-pie-chart.component.ts :1`
- `DashboardWidgetOperationsService` — `Pams/Web/Pams.Web/Client/app/services/dashboard/dashboard-widget-operations.service.ts :1`
- `DashboardGroup` — `Pams/Web/Pams.Web/Client/app/models/dashboard/dashboard-group.model.ts :2`
- `Operations` — `Pams/Web/Pams.Web/Client/app/components/dashboard/dashboard-operations.ts :15`