

BaseWidgetComponent

August 17, 2026

BaseWidgetComponent

Kind: Class

Source: Frontend/src/app/components/dashboard/dashboard-library/widgets/base-widget.component.ts (line 4)

Part of: Frontend

BaseWidgetComponent is the shared Angular base class for dashboard-library widgets. It centralizes widget data loading, change detection, and teardown through loadData() , detectChanges() , and ngOnDestroy() .

Implements: OnDestroy

Methods

Method	Signature	Returns
loadData	loadData(observable: Observable<T>, callback: (data: T) => void)	void
detectChanges	detectChanges()	void
ngOnDestroy	ngOnDestroy()	void

Properties

Property	Type
subscription	any
cdr	any
isLoading	any
isEmpty	any
hasError	any

Where it refuses work

- `BaseWidgetComponent` stops the work with an early return when `value == null` .
- `BaseWidgetComponent` stops the work with an early return when `Array.isArray(value) && value.length === 0` .

Diagram

```
graph LR
    Widget[Dashboard Widget] --> Base[BaseWidgetComponent]
    Base --> Load[loadData()]
    Base --> Changes[detectChanges()]
    Base --> Destroy[ngOnDestroy()]
```

Usage

```
import { BaseWidgetComponent } from './base-widget.component';

export class SalesWidgetComponent extends BaseWidgetComponent {
  refresh(): void {
    this.loadData();
    this.detectChanges();
  }

  override ngOnDestroy(): void {
    super.ngOnDestroy();
  }
}
```

AI Coding Instructions

- Extend `BaseWidgetComponent` for dashboard widgets that need shared loading and lifecycle behavior.
- Call `loadData()` after the widget configuration and inputs are ready.
- Call `detectChanges()` after asynchronous state updates that must appear in the view.
- Call `super.ngOnDestroy()` when overriding `ngOnDestroy()` in a derived widget.
- Keep widget-specific data mapping and rendering logic in the derived component.

Used by

109 references from 109 files. Each is a place in this repository where the symbol is actually used — go read one rather than trusting an example.

Imported by (109)

- BranchData — Frontend/src/app/components/dashboard/dashboard-library/widgets/mrm-account-payable/mrm-account-payable.component.ts :1
- BranchData — Frontend/src/app/components/dashboard/dashboard-library/widgets/mrm-account-receivable/mrm-account-receivable.component.ts :1
- BranchData — Frontend/src/app/components/dashboard/dashboard-library/widgets/mrm-backlog-product-types/mrm-backlog-product-types.component.ts :1
- BranchData — Frontend/src/app/components/dashboard/dashboard-library/widgets/mrm-booking-city/mrm-booking-city.component.ts :1
- BranchData — Frontend/src/app/components/dashboard/dashboard-library/widgets/mrm-booking-product-types/mrm-booking-product-types.component.ts :1
- BranchData — Frontend/src/app/components/dashboard/dashboard-library/widgets/mrm-booking-supplier/mrm-booking-supplier.component.ts :1
- BranchData — Frontend/src/app/components/dashboard/dashboard-library/widgets/mrm-booking-teams/mrm-booking-teams.component.ts :1
- BranchData — Frontend/src/app/components/dashboard/dashboard-library/widgets/mrm-cash-flow/mrm-cash-flow.component.ts :1

...and 101 more.