

js/script_radarboard_multichart_tech_dim.js

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Introduction

This document will walk you through the implementation of [js/script_radarboard_multichart_tech_dim.js](#) ✓.

The purpose of this script is to manage the display and interaction of multiple charts within a radar board, specifically handling the switching between different datasets.

We will cover:

1. How the root and container are set up.
2. How the theme is applied.
3. How the dataset switching function works.

Code flow

Setting up the root and container

We start by creating the root element for the chart and disabling the browser's right-click context menu to prevent unwanted interactions.

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```
1  ///#region ///-----A Set Root, Wrapper Container, Function Change Datensatz-----  
2  var root = am5.Root.new("chartdiv");  
3  
4  // disable browser righth context menu  
5  // root.addDisposer(  
6  //      am5.utils.addEventListener(root.dom, "contextmenu", function (ev) {  
7  //          ev.preventDefault();  
8  //      })  
9  // );
```

Next, we apply themes to the root and create a wrapper container that will hold both charts. This ensures that the charts are responsive and animated.

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```
11 root.setThemes([  
12     am5themes_Animated.new(root),  
13     am5themes_Responsive.new(root)  
14 ]);  
15  
16 ///Create wrapper container für beide charts  
17 var container = root.container.children.push(am5.Container.new(root, {  
18     width: am5.p100,  
19     height: am5.p100,  
20     //layout: root.verticalLayout
```

```
21 }));
```

Handling dataset switching

We define the initial dataset and implement the `changeDatensatz` ✓ function to handle switching between datasets. This function shows or hides the appropriate chart containers based on the selected dataset.

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```
23 var aktuellerDatensatz = "Tech-Dimensionen";
24 /// Funktion zum Wechsel des aktuellen Datensatzes über select box in html seite
25 function changeDatensatz(nameDatensatz) {
26     // show chart Dim und hide chart UDim
27     if (nameDatensatz == "Tech-Dimensionen") {
28         aktuellerDatensatz = "Tech-Dimensionen";
29         sliderTechDim.set("start", sliderTechUDimStand); //slider Stand von UDim übernehmen bei umschalten daten
30         containerTechDim.show(1000);
31         containerTechUDim.hide(500);
```

If the selected dataset is `Tech-Dimensionen` ✓, the function sets the slider position to match the previous dataset's state and displays the corresponding chart container.

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```
33 }
34 // show chart UDim und hide chart Dim
35 else if (nameDatensatz == "Tech-UnterDimensionen") {
36     aktuellerDatensatz = "Tech-UnterDimensionen";
37     containerTechDim.hide(500);
```

Conversely, if the selected dataset is `Tech-UnterDimensionen` ✓, the function updates the slider position and shows the appropriate chart container.

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```
39         sliderTechUDim.set("start", sliderTechDimStand); //slider Stand von Dim übernehmen bei umschalten datens
40         containerTechUDim.show(1000);
41
42
43     }
44
45 }
```

Conclusion

This script sets up the root and container for the charts, applies themes, and provides a function to switch between different datasets. This ensures that the charts are displayed correctly and consistently based on user interaction.