TritiumHeatmapChart

Color a grid of row and column values so dense matrices are easy to scan.

Install

TritiumHeatmapChart is part of Tritium UI for .NET MAUI. Add the package source from your license to your NuGet configuration, then restore from there. These packages are not on the public NuGet Gallery.

The URL below is a placeholder. Replace it with the package source on your license. This site does not publish that URL.

```
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <packageSources>
    <add key="TritiumApps" value="FEED_URL_FROM_YOUR_LICENSE" />
  </packageSources>
</configuration>
```

Reference the package on your license that includes TritiumHeatmapChart.

Platforms

Android, iOS, Mac Catalyst, and Windows 10 version 19041 and later (.NET 10 MAUI).

Basic example

Declare this namespace on the page.

```
xmlns:charts="clr-namespace:Tritium.Maui.Charts;assembly=Tritium.Maui.Charts"
<charts:TritiumHeatmapChart ShowDataLabels="True" ShowAxisLabels="True">
    <charts:TritiumHeatmapChart.Series>
        <charts:HeatmapSeries ItemsSource="{Binding Cells}"
                              ColumnBindingPath="Hour"
                              RowBindingPath="Day"
                              ValueBindingPath="Load" />
    </charts:TritiumHeatmapChart.Series>
</charts:TritiumHeatmapChart>
```

Features

• Bind a HeatmapSeries with column, row, and value property paths.
• Paint cells on a two- or three-color scale (low, optional mid, high).
• Show or hide cell value labels and axis labels.
• Show a legend and tooltips, and animate the first draw.
• Show an empty-state message when there is no data.
• Select a cell and handle SeriesPointSelected.
• Export the chart to a PNG stream or file.

Main API

• **Series.** The heatmap series (column, row, and value paths).
• **MinColor.** Color at the low end of the scale; MaxColor is the high end.
• **ShowDataLabels.** Prints each cell value on the tile.
• **SeriesPointSelected.** Fires when the user selects a cell.

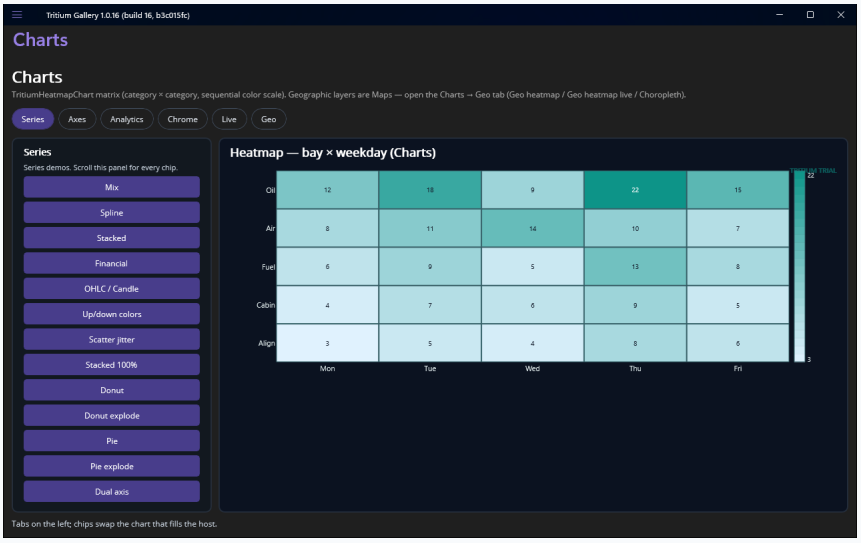
Accessibility

• Give the control a visible name on the page, the same way you label any .NET MAUI view.
• Pick theme colors with a clear difference between the text and the surface behind it. The theme packs do not add a separate contrast mode. The difference comes from the colors you choose.
• Do not use color as the only way to tell two states apart.
• Try the page with the platform screen reader on Android, iOS, Mac Catalyst, and Windows.
• Keyboard access follows the .NET MAUI view. Check the control on each platform you ship.

Tips

• Restore TritiumHeatmapChart from the package source on your license. These packages are not on the public NuGet Gallery.
• Reference the package on your license that includes TritiumHeatmapChart.
• Target frameworks are net10.0-android, net10.0-ios, net10.0-maccatalyst, and net10.0-windows10.0.19041.0. Minimum OS versions are Android 21, iOS 15, Mac Catalyst 15, and Windows 10.0.17763.

Screenshot



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