TritiumTreemapView

Size rectangles by value so a hierarchy, or a flat list, is easy to compare.

Install

TritiumTreemapView 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 TritiumTreemapView.

Platforms

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

Basic example

Declare this namespace on the page.

```
xmlns:treemap="clr-namespace:Tritium.Maui.Treemap;assembly=Tritium.Maui.Treemap"
<treemap:TritiumTreemapView ItemsSource="{Binding Disk}"
                        ValuePath="Bytes"
                        LabelPath="Name"
                        ChildrenPath="Children"
                        LayoutAlgorithm="Squarified"
                        IsDrillEnabled="True" />
```

Features

- Bind a tree with value, label, and children paths, or a flat list of nodes.
- Lay out with squarified, slice-and-dice, or strip algorithms, and choose the strip direction.
- Color by category or on a continuous scale from one color to another.
- Drill into a branch, show a breadcrumb, and animate the drill.
- Show labels, compact value text, and tooltips.
- Highlight nodes whose label matches a search string.
- Select a tile and handle ItemTapped and DrillChanged.
- Export the treemap to a PNG stream or file.

Main API

• **ItemsSource.** The nodes to size.
• **LayoutAlgorithm.** Squarified, SliceAndDice, or Strip.
• **ColorMode.** Categorical palette or a continuous value scale.
• **ItemTapped.** Fires with the bound item and the treemap node.

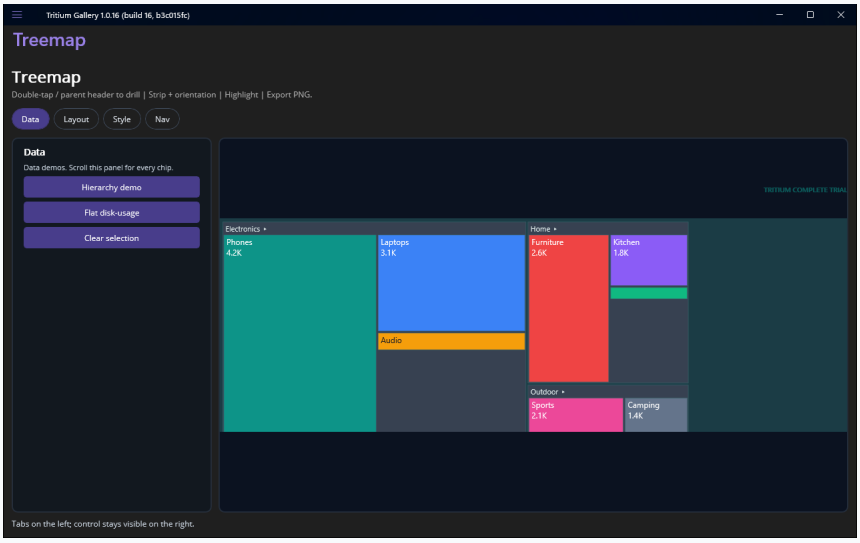
Accessibility

• 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 TritiumTreemapView from the package source on your license. These packages are not on the public NuGet Gallery.
• Reference the package on your license that includes TritiumTreemapView.
• 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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