TritiumMapView

Draw web map tiles from the source you choose (OpenStreetMap, Azure Maps with your own key, or any HTTPS tile server), with pins, shapes, GeoJSON, heatmaps, and choropleth.

Install

TritiumMapView 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 TritiumMapView.

Platforms

Android, iOS, Mac Catalyst, and Windows 10 version 19041 and later (.NET 10 MAUI). Azure Maps styles (Road, Satellite, Hybrid, Night) and traffic need your own Azure Maps key. OpenStreetMap and other HTTPS tile servers are used under their own terms. Heading is shown only when the device compass is supported.

Basic example

Declare this namespace on the page.

```
xmlns:maps="clr-namespace:Tritium.Maui.Maps;assembly=Tritium.Maui.Maps"
<maps:TritiumMapView Latitude="47.6062" Longitude="-122.3321" Zoom="11"
                     MapStyle="Road" Pins="{Binding Sites}" />
```

Features

• Center on a latitude and longitude and set the zoom.
• Choose the tile source: OpenStreetMap, Azure Maps with your own key (Road, Satellite, Hybrid, and Night), or any HTTPS tile server. Tiles are drawn by our own native renderer and kept in a local tile cache.
• Add pins, circles, polylines, and polygons, and edit overlays when you enable that mode.
• Cluster pins, draw a freehand shape, and measure distance.
• Pins with clustering, shapes with editing, GeoJSON, heatmaps, and choropleth.
• Search with geocoding, reverse-geocode a point, and show a route.
• Show the user's location, follow the device, and draw heading when a compass is available.
• Add the Azure Maps traffic overlay when you use Azure Maps with your own key.
• Show a heatmap layer and handle pin, overlay, cluster, long-press, and measure events.

Main API

- **ApiKey.** Azure Maps key.
- **Pins.** The markers to draw; Circles, Polylines, and Polygons are the other overlays.
- **Zoom.** Map zoom level.
- **PinTapped.** Fires when the user taps a pin.

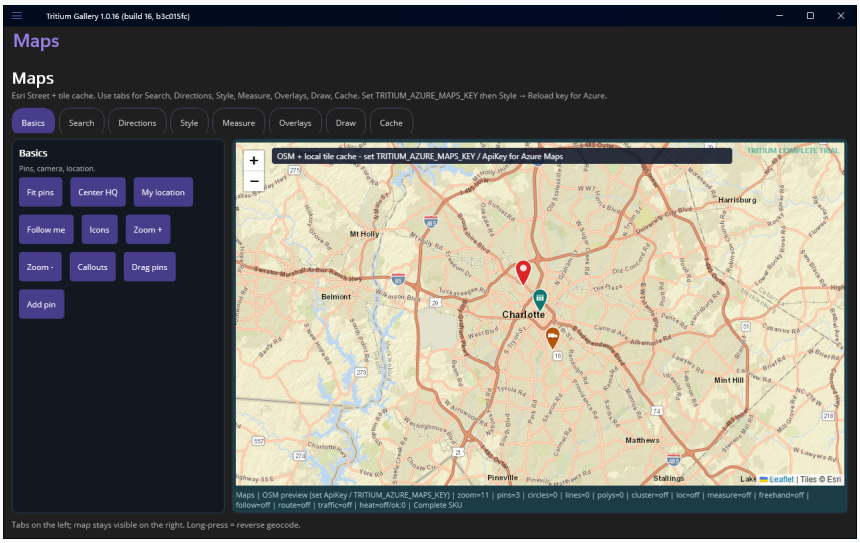
Accessibility

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