TritiumImageEditor

Load a picture, paint and select on it, adjust it, and export PNG or JPEG.

Install

TritiumImageEditor 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 TritiumImageEditor.

Platforms

Android, iOS, Mac Catalyst, and Windows 10 version 19041 and later (.NET 10 MAUI). Mouse-wheel zoom is available on Windows; pinch and the zoom tool work on the other platforms.

Basic example

Declare this namespace on the page.

```
xmlns:image="clr-namespace:Tritium.Maui.ImageEditor;assembly=Tritium.Maui.ImageEditor"
<image:TritiumImageEditor x:Name="Editor" ShowPaintToolbar="True" IsAnnotateMode="True" />
```

Features

• Load from a file, stream, or byte array, and export PNG or JPEG to a stream or file.
• Paint with pen, pencil, highlighter, eraser, spray, bucket, gradient, clone, and recolor tools.
• Draw lines, curves, rectangles, ellipses, arrows, and text, with bold, italic, size, and font.
• Select with a rectangle, ellipse, lasso, or magic wand, then copy, cut, paste, crop, fill, feather, expand, or contract.
• Rotate, flip, crop, resize the canvas, and adjust brightness, contrast, hue, saturation, blur, sharpen, and other effects.
• Keep a layer stack: add, duplicate, delete, rename, reorder, flatten, set opacity, and blend (normal, multiply, screen, overlay, darken, lighten).
• Undo, redo, and jump to a history step.
• Zoom, pan, and fit the image; on Windows the mouse wheel zooms at the pointer.
• Show or hide the paint toolbar, and raise ImageChanged after an edit.

Main API

• **LoadFromStreamAsync.** Loads an image from a stream; LoadFromFileAsync and LoadFromBytesAsync are the other entry points.
• **AnnotateTool.** The active paint, select, or view tool.
• **Export.** Returns PNG or JPEG bytes; ExportToFileAsync writes a file.
• **ImageChanged.** Fires after the working image changes.

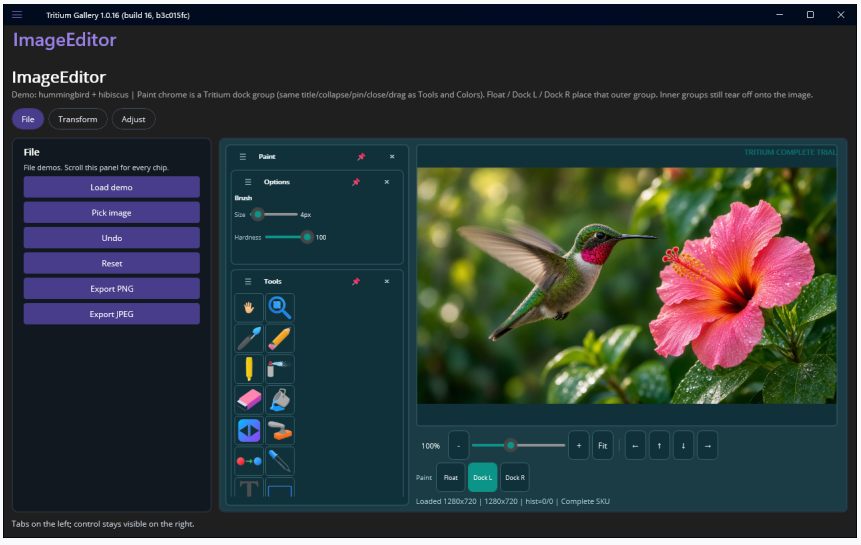
Accessibility

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