Getting started with Tritium UI

Tritium UI for .NET MAUI is a commercial control suite for third-party .NET developers worldwide. You can use it in any industry.

License a single product group, the Essentials suite, or the Complete suite. Complete includes every product group, Tritium Reporting included.

Install

Tritium UI for .NET MAUI is delivered with your license. Add the package source from that 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 you licensed. Tritium.Maui.Essentials is the Essentials suite. Tritium.Maui.Complete is the Complete suite and includes Essentials. Leave out packages your license does not include.

```
<ItemGroup>
  <PackageReference Include="Tritium.Maui.Essentials" Version="VERSION_FROM_YOUR_LICENSE" />
</ItemGroup>
```

```
<ItemGroup>
  <PackageReference Include="Tritium.Maui.Complete" Version="VERSION_FROM_YOUR_LICENSE" />
</ItemGroup>
```

Companion packages that come with the product group you licensed: Tritium.Licensing, Tritium.Maui.Reporting.Sqlite, Tritium.Maui.Reporting.Geo, Tritium.Maui.Pdf, Tritium.Pdf.Engine, and Tritium.Pdf.Engine.Windows.

Basic example

Add a control to a .NET MAUI page. The XML namespace comes from the package you restored. This example uses TritiumDataForm.

```
<tritium:TritiumDataForm />
```

Each control has its own tutorial beside this overview.

What you will find

Each control tutorial covers:

• What the control is.
• How to install it from the package source on your license.
• A short example.
• Theming, accessibility, and tips.
• A screenshot of the control.

Theming

Switch every Tritium control to a shared theme pack, finish, fill, and accent, including light and dark.

• Apply one of five packs: Default, Candy, Glass, Gradient, or Soap Bubble.
• Choose a flat finish or a depth finish with a stronger bevel.
• Paint chrome with a horizontal, vertical, diagonal, or radial fill.
• Set your own accent color and two to six gradient stops.
• Follow the application's light or dark theme for page, surface, ink, muted text, and borders.
• Merge TritiumThemeResources so XAML can bind DynamicResource keys such as TritiumAccent, TritiumInk, TritiumPage, and the series colors.
• Listen for Changed and re-read colors after a pack or accent change.
• Drive charts, badges, editors, and the rest of the suite from the same tokens.

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

Declare this namespace on the page.

```
xmlns:core="clr-namespace:Tritium.Maui.Core;assembly=Tritium.Maui.Core"
<Application xmlns="http://schemas.microsoft.com/dotnet/2021/maui"
             xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"
             xmlns:core="clr-namespace:Tritium.Maui.Core;assembly=Tritium.Maui.Core"
             x:Class="MyApp.App">
    <Application.Resources>
        <ResourceDictionary>
            <ResourceDictionary.MergedDictionaries>
                <core:TritiumThemeResources />
            </ResourceDictionary.MergedDictionaries>
        </ResourceDictionary>
    </Application.Resources>
</Application>
```

TritiumTheme.Apply selects a pack and, optionally, a flat or depth finish. TritiumTheme.ApplyFillStyle sets horizontal, vertical, diagonal, or radial fills. TritiumTheme.SetAccent replaces the accent color and derived series colors. TritiumTheme.Changed fires after the pack, finish, fill, accent, or stops change.

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

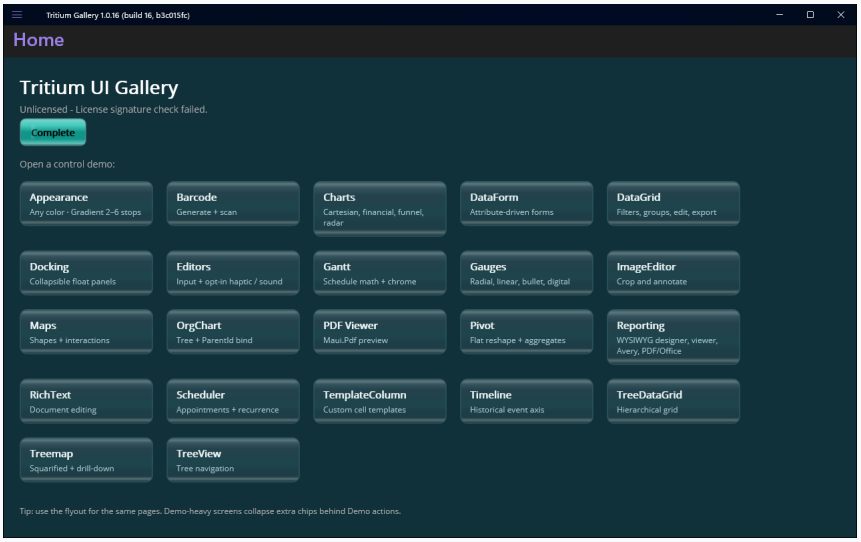
• Restore Tritium UI from the package source on your license. These packages are not on the public

NuGet Gallery.

• Reference only the package you licensed.

• 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



Tritium UI controls