TritiumTimelineView

Place events and date ranges on a horizontal history line, separate from the scheduler and the Gantt.

Install

TritiumTimelineView 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 TritiumTimelineView.

Platforms

Android, iOS, Mac Catalyst, and Windows 10 version 19041 and later (.NET 10 MAUI). Mouse-wheel zoom is available on Windows.

Basic example

Declare this namespace on the page.

```
xmlns:timeline="clr-namespace:Tritium.Maui.Timeline;assembly=Tritium.Maui.Timeline"
<timeline:TritiumTimelineView ItemsSource="{Binding Events}"
                              TitlePath="Title"
                              StartPath="Start"
                              EndPath="End"
                              EventPlacement="Alternating"
                              ShowNowMarker="True" />
```

Features

- Show instants as points and spans as bars.
- Bind your objects with title, details, start, end, and category paths, or use TritiumTimelineEvent.
- Stack events by alternating sides, by category lanes, or all above or below the axis.
- Pan across time, pinch to zoom, and use the mouse wheel on Windows.
- Mark now, and clamp the scale with minimum and maximum zoom.
- Show labels and tooltips, and scroll to a time.
- Select an item and handle ItemTapped.
- Export the timeline to a PNG stream or file.

Main API

• **ItemsSource.** The events to plot.
• **EventPlacement.** Alternating, category lanes, above the axis, or below the axis.
• **VisibleStart.** Left edge of the time window; VisibleEnd is the right edge.
• **ItemTapped.** Fires with the bound item and the timeline event.

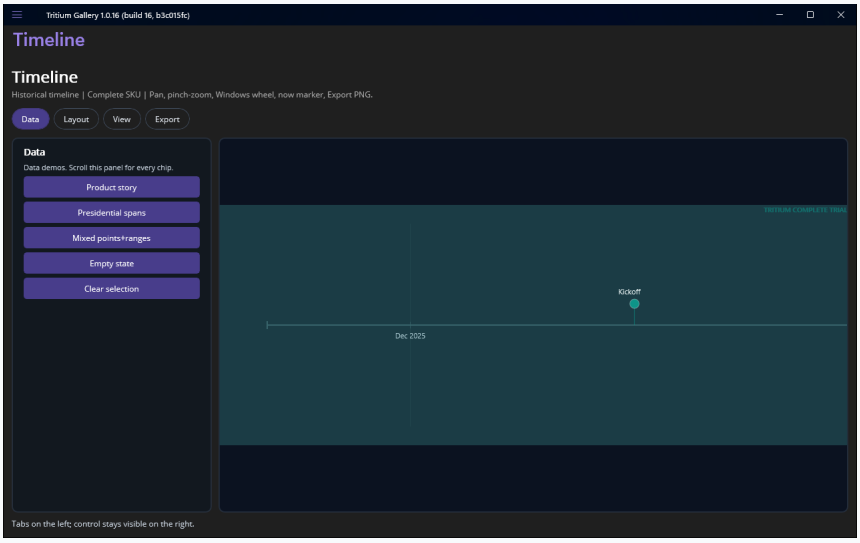
Accessibility

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



TritiumTimelineView