TritiumDataGrid

Display, edit, filter, group, and export tabular or hierarchical data in a MAUI grid.

Install

TritiumDataGrid 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 TritiumDataGrid.

Platforms

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

Basic example

Declare this namespace on the page.

```
xmlns:grid="clr-namespace:Tritium.Maui.DataGrid;assembly=Tritium.Maui.DataGrid"
<grid:TritiumDataGrid ItemsSource="{Binding Orders}" SelectionMode="Single" CanUserFilter="True">
    <grid:TritiumDataGrid.Columns>
        <grid:DataGridTextColumn HeaderText="Order" BindingPath="OrderId" />
        <grid:DataGridNumericColumn HeaderText="Amount" BindingPath="Amount" StringFormat="C" />
    </grid:TritiumDataGrid.Columns>
</grid:TritiumDataGrid>
```

Features

• Bind ItemsSource and auto-generate columns, or declare text, numeric, boolean, date, combo, and template columns.
• Let users sort, resize, reorder, hide, and freeze columns on the left or the right.
• Filter with a text box, a distinct-value list or tree, Excel-style filters, and an advanced AND/OR filter.
• Group rows, expand a tree of children, show row details, and switch between a table and a card layout.
• Edit cells inline or with a row template, and undo or accept the changes.
• Select rows or cells, copy the selection as tab-separated text, and paste back into the grid.
• Show column summaries (sum, average, count, min, max), merge equal cells, pin rows, and color cells with conditional rules.
• Page the rows, find text, and save or restore column, sort, filter, and group state.
• Export CSV or Excel, and print or preview the current view as HTML.

Main API

- **ItemsSource.** The rows to display.
- **Columns.** Explicit text, numeric, boolean, date, combo, or template columns.
- **SelectionMode.** None, single-row, or multiple-row selection.
- **CellEditEnded.** Fires after an inline edit; set Cancel on CellEditStarting to block it.

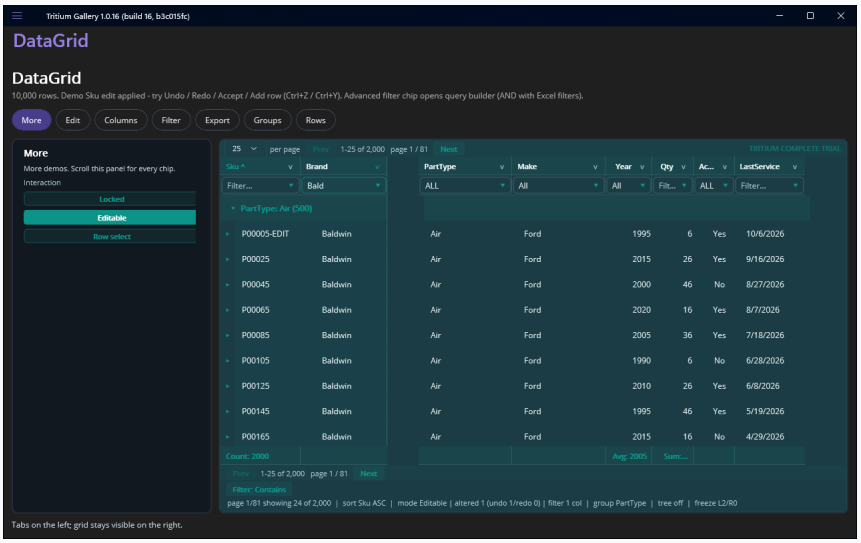
Accessibility

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



TritiumDataGrid with grouping and filters