LightningChart® .NET v.10.0

NEW FEATURES

Arction

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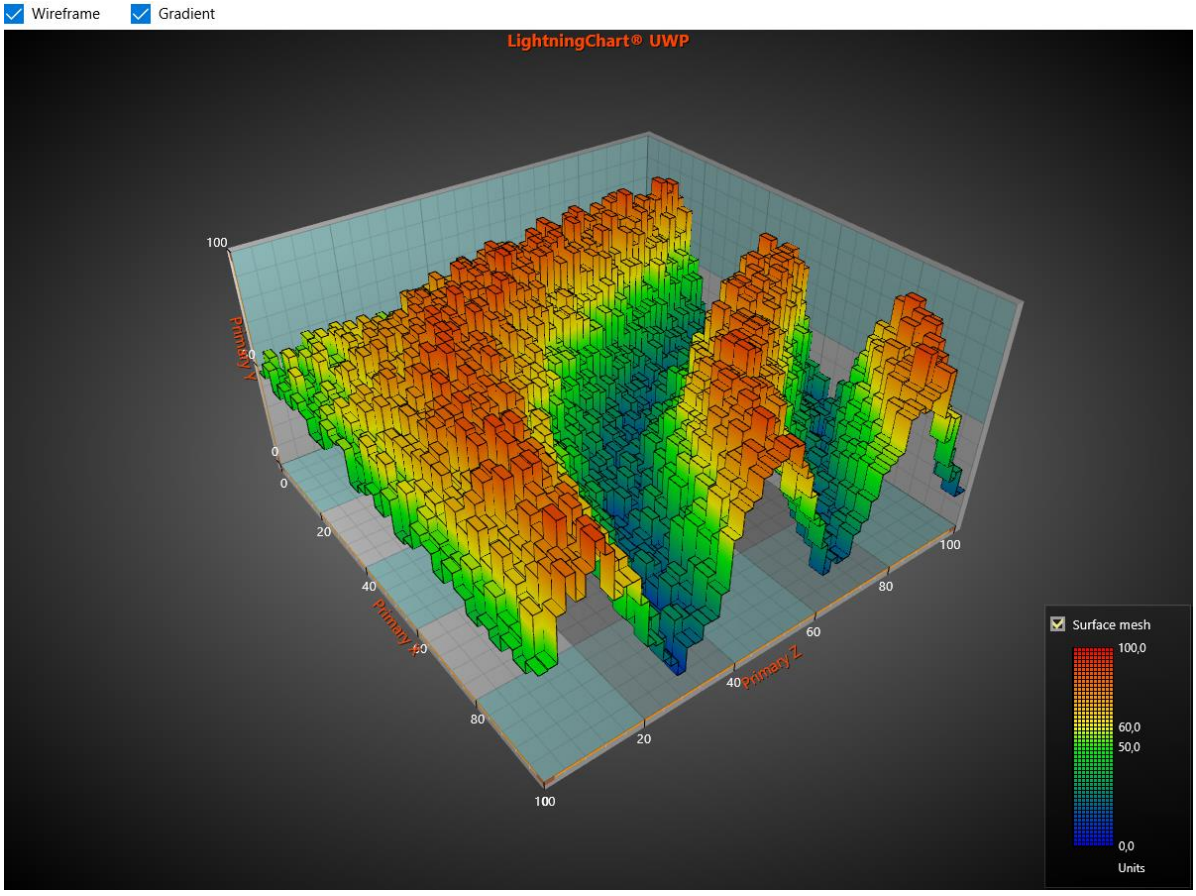
1. UWP charts

- At this release we are introducing LightningChart® .NET library for developing UWP applications (*Arction.Uwp. ChartingMVVM.LightningChart.dll*). UWP with LightningChart enables advanced charting applications to be created for Microsoft Windows 10 based platforms including PC's, mobile and Windows IoT devices. UWP chart has 2D Cartesian, 3D, Polar, Smith, Pie Charts, and Volumetric Rendering features.



3D chart built with UWP libraries.

2. TradingChart for WinForms

- TradingChart component has previously been available only for WPF applications. LightningChart® .NET v.10.0 version brings TradingChart for WinForms applications as well. Both versions have the same features.

- New features and improvements for TradingChart (both WPF and WinForms).

    - AddData() -method to add trading data to existing data. Improves performance especially in real-time applications.
    - DateTimeToXValue() -method to convert between trading data DateTime values and the X-axis values of the internal LightningChart component. Useful when combining features of TradingChart and the internal chart.
    - Bindable TradingData dependency property.
    - Improved SetTimeRange() -method. User can now choose whether the loaded trading data set is affected or just the axis range.
    - Time range buttons can now be easily accessed via GetAllRangeButtons() -method.
    - More methods to dispose all trading data, technical indicators, or drawing tools simultaneously.
    - Pre-defined data provider now fetches adjusted trading data instead of raw data.
    - Interactive Examples demo application now has an example demonstrating TradingChart performance capabilities (figure below).

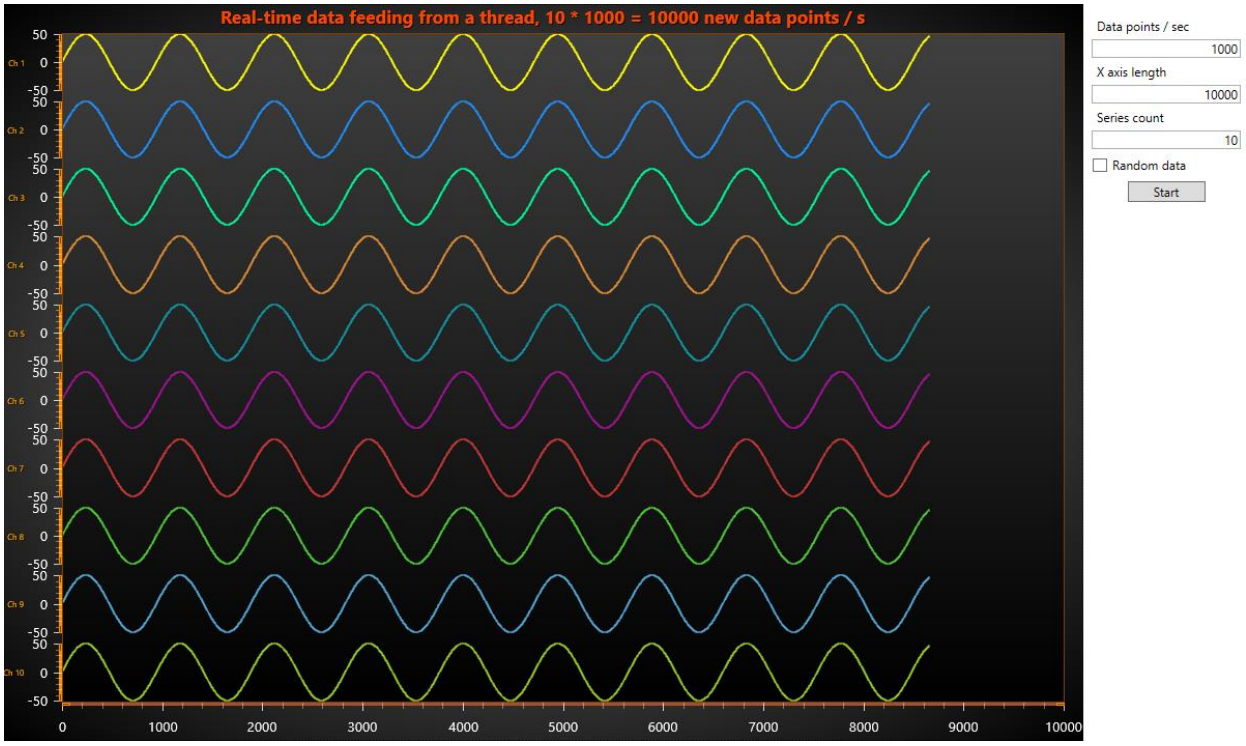
TradingChart performance example

3. Performance improvements

- This release has several improvements. First, we made rendering much faster for the multiple 2D series. For example, if count of PointLineSeries and LineCollection reach thousands, LightningChart is able to render them 2 to 4 times faster than in previous release. In addition, we removed obsolete methods and properties to make API clearer.

4. Example improvements

- We continue improving Interactive Examples application, the essential tool to browse different features of LightningChart and extract example code projects. We added several new examples and increased the number of examples which can be extracted as WPF or UWP projects. This release contains 30 examples extractable as UWP standalone project, and over one hundred WPF projects using MVVM pattern. The search function is also improved, especially when browsing the examples in list view. Dev Center has now Seed projects for creating real-time scrolling apps easily.



Seed project for real-time scrolling application.

5. Namespace and property name changes

- The names of some of the LightningChart assemblies have been changed to better reflect the MVVM and binding capabilities.
- There are several property name changes in version 10.0 due to UWP being able to run on multiple various devices, and to make Chart control UWP compatible.
    - Full list of changes can be found in Update Guide, which is included in the SDK 10 installation package.

*If you have any questions, please contact us at **arction@arction.com***

Thank you for being our customer, happy coding :-)