



Esri International Developer Summit
Palm Springs, CA

Building WPF Apps with ArcGIS Runtime SDK for WPF

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Agenda

- **New features in 10.2**
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- **Demos**
 - **Async Tasks**
 - **Static rendering mode**
 - **Renderer rotation**
 - **MoveTo**
 - **AddRange**
 - **RenderTargetBitmap**
 - **Strobe marker symbol**
 - **WebTiledLayer**
 - **Elevation profile**

New features in 10.2

- **Support for Async Tasks**
- **New RenderingMode property on GraphicsLayers and FeatureLayers**
- **New WebTiledLayer for other tiled services**
- **Brightness, gamma and contrast on Layers**
- **Angle and AngleAlignment on MarkerSymbols**
- **Rotation based on an attribute for Renderers**
- **WebMapViewModel**
- **Additional ArcGIS Online operations (add item, update item, etc)**
- **Security enhancements**
- **Line of Sight and Viewshed available with Standard license**
- **AMF response from ArcGIS Server / LocalServer**
- **New Geoprocessing tools in the LocalServer**
- **...**

New features in 10.2.2

- **New Geoprocessing tools in the LocalServer**
- **Streamlined licensing for developers**
- **Performance and quality improvements**

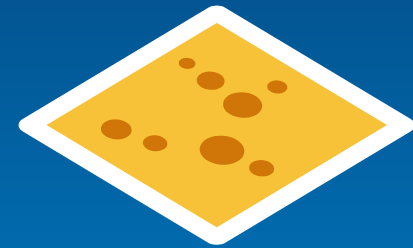
DEMO

Async Tasks



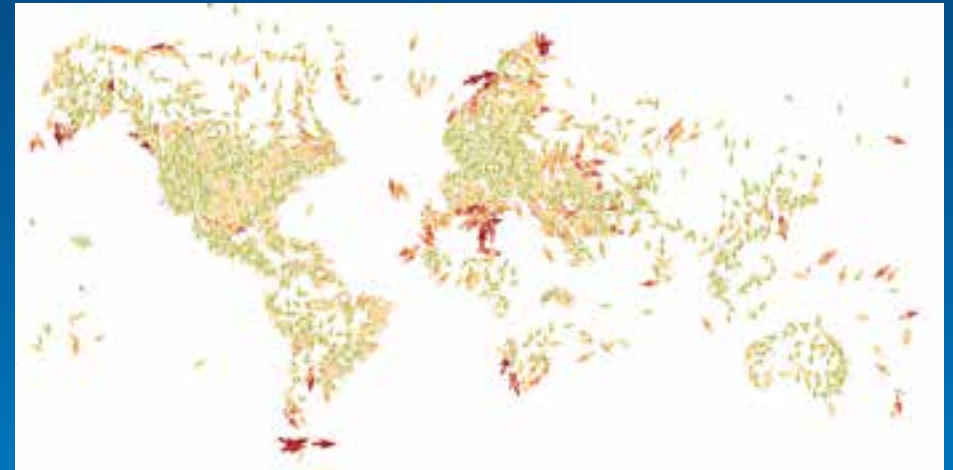
DEMO

Static Rendering Mode



DEMO

Renderer Rotation



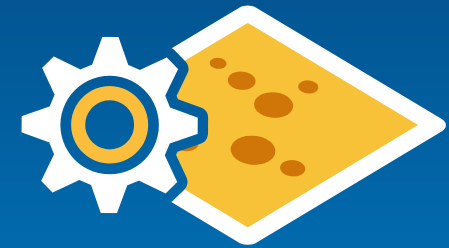
DEMO

Moving Graphics



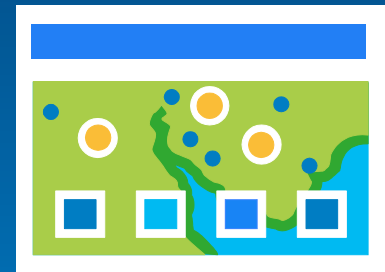
DEMO

AddRange



DEMO

RenderTargetBitmap



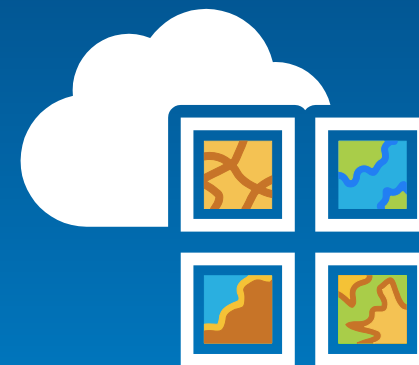
DEMO

Stobe MarkerSymbol RenderTargetBitmap



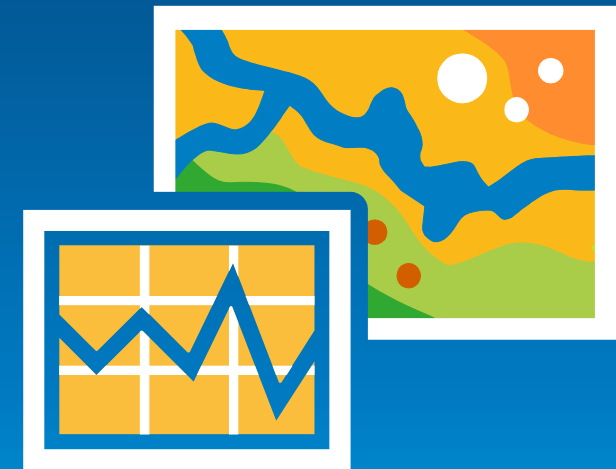
DEMO

WebTiledLayer



DEMO

Elevation Profile



New Geoprocessing Tools - 10.2

Toolbox	Toolset	Tool Name
3D Analyst Tools	Conversion \ From File	ASCII 3D to Feature Class
Data Management Tools	General	Merge
Data Management Tools	Layers and Table Views	Make RasterLayer
Data Management Tools	Layers and Table Views	Make Table View
Data Management Tools	Raster \ Raster Properties	Get Raster Properties
Data Management Tools	Raster \ Raster Properties	Get Cell Value
Data Management Tools	Raster \ Raster Dataset	Mosaic To New Raster
Editing Tools		Densify

New Geoprocessing Tools - 10.2.2

Toolbox	toolset	Tool Name
Linear Referencing Tools		Calibrate Routes
Linear Referencing Tools		Create Routes
Linear Referencing Tools		Dissolve Route Events
Linear Referencing Tools		Locate Features Along Routes
Linear Referencing Tools		Make Route Event Layer
Linear Referencing Tools		Overlay Route Events
Linear Referencing Tools		Transform Route Events
Conversion Tools	Excel	Excel to Table
Conversion Tools	Excel	Table to Excel
Data Management	Features	Points to Line
Spatial Statistics	Mapping Clusters	Optimized Hot Spot Analysis
3D Analyst Tools	Functional Surface	Stack Profile (Requires 3D license)
3D Analyst Tools	Functional Surface	Surface Volume (Requires 3D license)
3D Analyst Tools	Functional Surface	Interpolate Shape (Requires 3D license)
Conversion Tools	JSON	Features to JSON
Conversion Tools	JSON	JSON to Features
Data Management	Features	Bearing Distance to Line
Data Management	Features	XY to Line
Data Management	Raster\Mosaic Dataset	Create Mosaic Dataset
Data Management	Raster\Mosaic Dataset	Add Rasters To Mosaic Dataset

Summary

- **10.2 was a significant release with many enhancements**
- **Highlights:**
 - Async Tasks
 - Graphic performance
- **10.2.2 available now**
 - New GP Tools in the LocalServer
- **Async Tasks help you to prepare for the new .NET SDK**

- **Demos available on ArcGIS.com**

<http://esriurl.com/7574>



Understanding our world.