Esri DevSummit 2012

Foliage

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Starting with ArcGIS Runtime SDK for WPF

Bjorn Kuiper, Esri DevSummit 2012
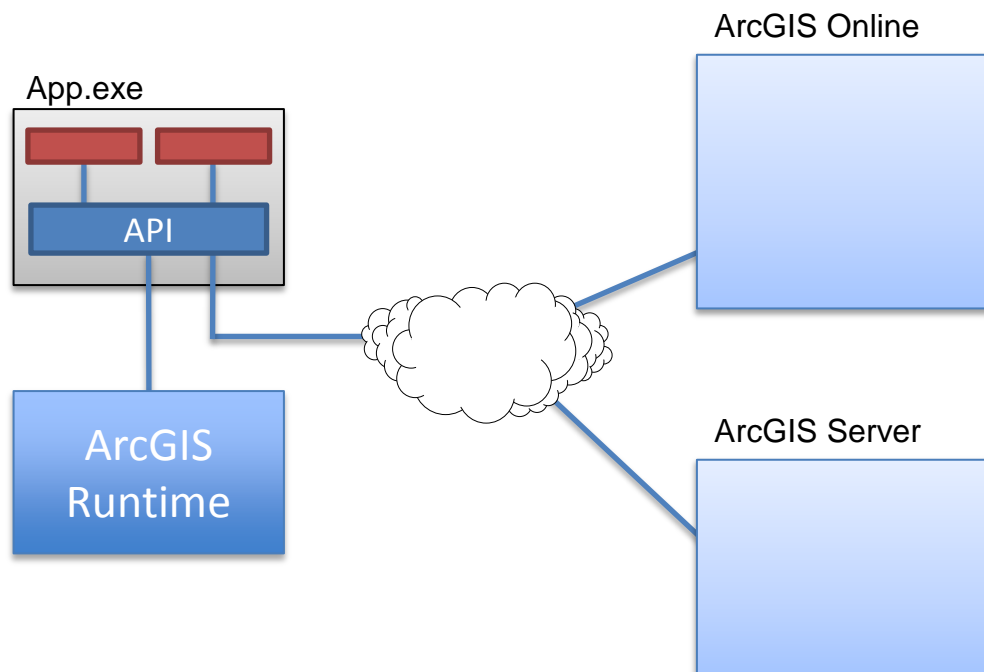
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AGENDA

- Short introduction into ArcGIS Runtime
- ArcGIS Runtime SDK for WPF – getting started
- Consuming Map- and Geoprocessing packages
- Dynamic Layers
- Tips and tricks
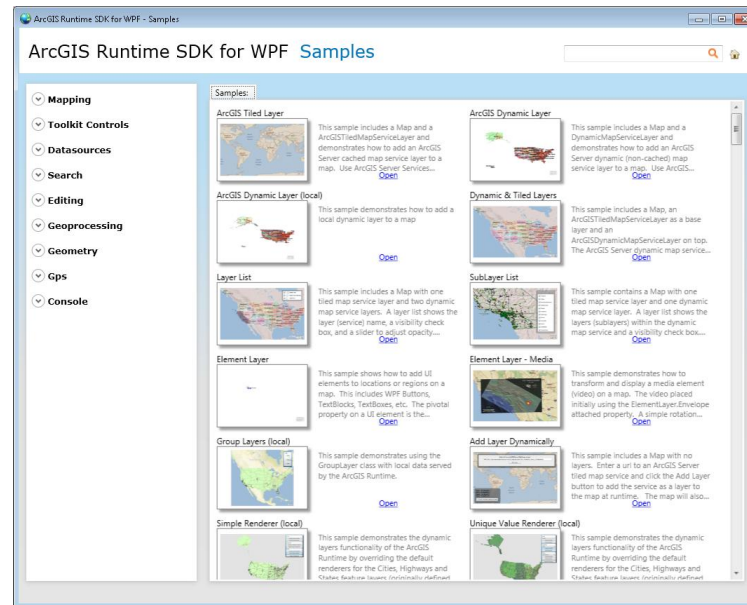- Current limitations of ArcGIS Runtime BETA 2
- Q&A

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Short introduction into ArcGIS Runtime

ArcGIS Online

App.exe

API

ArcGIS Runtime

ArcGIS Server

drawing taken from Esri UC 2011 ArcGIS Runtime Presentation

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ArcGIS Runtime – getting started

- **WPF Samples**

- **VS2010 Template**

- **Prelease in April**

- **Currently BETA 2**

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```
Public Sub CreateBufferShapefile()
    'Creates an empty polygon shapefile with a text field
    Dim pMxDoc As IMxDocument
    Dim pMap As IMap
    pMxDoc = ThisDocument
    pMap = pMxDoc.FocusMap

    Dim pLayer As IFeatureLayer
    Dim pDataset As IDataset
    Dim pWorkspace As IWorkspace

    'specify the folder to hold the create
    Dim pFWS As IFeatureWorkspace
    Dim pWorkspaceFactory As IWorksp
    pWorkspaceFactory = New Shapefile
    pFWS = pWorkspaceFactory.OpenFr

    'Set up a simple fields collection
    Dim pFields As IFields
    Dim pFieldsEdit As IFieldsEdit
    pFields = New esriGeoDatabase.Field
    pFieldsEdit = pFields

    'Create a shape field………………..
```
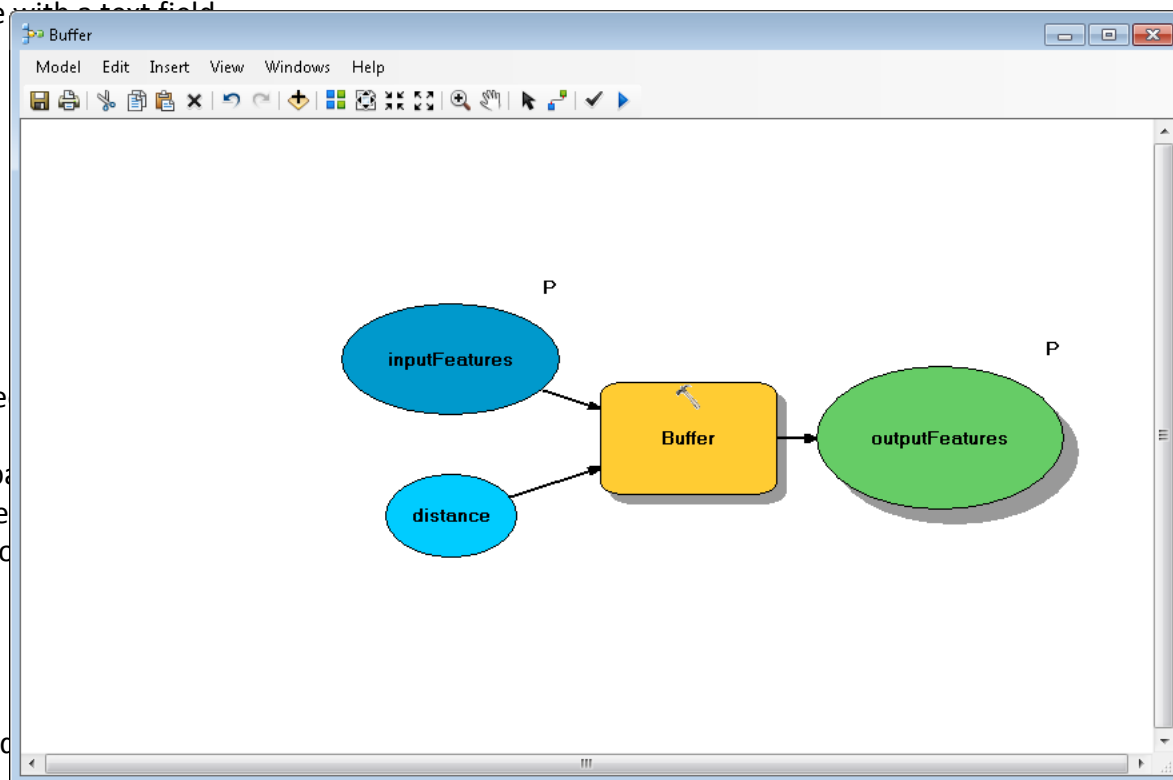

source code from: http://forums.esri.com/Thread.asp?c=93&f=992&t=184685

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Dynamic Layers

- **Geoprocessing Package with map result**

- **Dynamically create Map Packages**

- **DynamicLayers feature**

source code from: http://forums.esri.com/Thread.asp?c=93&f=992&t=184685

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Tips and tricks

- **Use Fiddler (http://www.fiddler2.com/)**

    - Don't forget to update the ArcGIS Runtime configuration file

- **ArcGIS Runtime website**

    - Showed how to open website from within the application

- **Use the forums! (http://forums.arcgis.com/forums/)**

- **ArcGIS Runtime WPF Samples application**

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Current limitations of BETA 2

- **Not all the toolbox functions are yet supported**

- **Dynamic Layers functionality is lacking**

- **No support for server extensions (SOE on ArcGIS Server)**

- **Release cycle behind on official Esri cycle**

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Q & A - Contact

e-mail: bkuiper@foliage.com

Twitter: @bjornkuiper

Presentation available at:

http://bit.ly/GQE57N

http://www.foliage.com/industries/esri_dev_summit_presentation.php

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