

# Esri Developer Summit

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[esri.com/events/devsummit](http://esri.com/events/devsummit)



## Building Applications with ArcGIS Runtime SDK for Windows Phone Part I

Kylie Donia

Rex Hansen

A decorative graphic at the bottom of the slide. It features a curved orange border at the top. Below the border is a semi-transparent map of a landscape with green fields and blue water. Overlaid on the map is white text representing code snippets from the ArcGIS Runtime SDK. The code includes symbols like 'esri.symbol.SimpleLineSymbol', 'new dojo.Color([0,0,0,0.5])', and 'feature.setSymbol(polySymbolGreen)'.

```
esri.symbol.SimpleLineSymbol  
new dojo.Color([0,0,0,0.5])  
polySymbolGreen = new esri.symbol.SimpleLineSymbol(  
    dojo.Color([0,0,0,0.5]), 1);  
feature.setSymbol(polySymbolGreen);  
}  
else if(f == 1) {  
    polySymbolGreen = new esri.symbol.SimpleLineSymbol(  
        dojo.Color([0,0,0,0.5]), 1);  
    feature.setSymbol(polySymbolGreen);  
}  
else if(f == 2) {  
    polyBlue = new esri.symbol.SimpleLineSymbol(  
        dojo.Color([0,0,255,0.5]), 1);  
    feature.setSymbol(polyBlue);  
}
```

# Agenda

- **Introduction**
  - Platform
  - Product
- **Getting Started**
- **Demos**
- **Marketplace**
- **Road Ahead**



# Microsoft's Windows Phone Platform

- **Windows Phone 7.5 (Mango)**
- **Windows Phone SDK 7.1**
  - Silverlight, XNA
- **7.5 Refresh, SDK 7.1.1**
  - Low end devices
  - Windows 8 consumer preview
- **Marketplace**
  - 70,000+ apps
- **Future**
  - Windows Phone 8 (Apollo)



# ArcGIS Runtime SDK for Windows Phone

- **Powerful Windows Phone Mapping API**
- **Use ArcGIS Server/Online services**
- **Full Touch/Gesture support**
- **Integrates with Microsoft development environments**



# Requirements

- **Windows Phone SDK 7.1**
  - **Microsoft Visual Studio 2010**
  - **Expression Blend 4**
  - **Deployment Utility**
  - **Emulator**
- **Windows Phone**
- **Vista and Windows 7 operating systems**



# Libraries



- **ESRI.ArcGIS.Client.dll**
  - Map, ArcGIS Service Layers, Graphics, Geometry, Symbols
- **ESRI.ArcGIS.Client.Bing.dll**
  - Adds support for using Bing layers and services
- **ESRI.ArcGIS.Client.WebMap.dll**
  - Read & process WebMap 1.5
- **ESRI.ArcGIS.Client.Toolkit.dll**
  - Common set of controls for map interaction
- **ESRI.ArcGIS.Client.Toolkit.DataSources.dll**
  - Common set of data sources
- **ESRI.ArcGIS.Client.Printing.dll \*v3.0**
  - Support for exporting maps

# Capabilities

- **Visualization with Map control**
- **Editing**
- **Tasks**
  - **Query, Find, Identify, Address Locator, Geometry, Geoprocessing, Route**
- **Consume geospatial services**
  - **ArcGIS Server + SDS**
  - **ArcGIS Online**
  - **ArcGIS Portal**

## What's New in 2.4

- **WebMap**
  - CSV, KML, WMS
  - Popups with media
- **DataSources**
- **GraphicsDataSource**
- **Auto-projection**



# What's New in 3.0

- **New ArcGIS Server 10.1 functionality**
  - **Map services**
    - **Dynamic layers**
    - **Group and statistics**
    - **Generate renderer**
  - **Feature services**
    - **Editor tracking**
    - **Ownership based editing**
    - **Versioned editing**
  - **Print service**
  - **IdentityManager**

## What's New in 3.0 (cont.)

- **New ArcGIS Server 10.1 functionality (cont.)**
  - Image services
  - M and Z
  - Uploads
- **Hosted services**
- **Portal API**

# Getting Started

Resource Center



Download



Build App



ArcGIS API – Windows Phone



## Resource Center

- Samples
- Documentation
- API Reference
- Code Gallery
- Showcase

# API and App demos

Kylie Donia



- Basic map app
- Email a map
- Editing
- ArcGIS app

# Deploying your ArcGIS app

- Read [ESRI's licensing agreement](#)
- Include [attribution](#)
- Fill out deployment questionnaire & email it to [arccgis4windowsphone@esri.com](mailto:arccgis4windowsphone@esri.com)
- [Publish](#) to Windows Phone Marketplace
  - Or publish to developer phones with Windows Phone deployment utility

# Publishing to the Marketplace



# Road Ahead



- **v3.0 - June 2012**
  - **Enhanced support for 10.1 ArcGIS services**
  - **Support for the Portal API**
    - **ArcGIS Online**
    - **ArcGIS for Portal**



## More Windows Phone sessions!

- **Building Applications with Windows Phone - Part II**
  - **Wed 4:30 PM Pasadena/Ventura/Sierra**
- **Esri and Microsoft**
  - **Thu 10:15 AM Primrose C/D**



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