Implementing Analysis, Editing, and Offline Applications with ArcGIS Runtime SDK for Windows Phone

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Agenda

• Analysis options
• Editing workflows
• Offline support
• Road Ahead
Analysis options

- **ArcGIS Server services**
  - Map, Feature, Image, Network, Geocode. Geometry
  - Geoprocessing
  - Server Object Extensions

- **ArcGIS Online services**
  - World Geocoding (geocode.arcgis.com)
  - Network analysis (route.arcgis.com)
  - Analysis (analysis.arcgis.com)
  - Geoenrichment (geoenrich.arcgis.com)
Editing requirements and capabilities

• Connected

• Feature services
  - Add, Update, Delete
  - Layer info – feature types and domains
  - Attachments
  - Helper controls
    - InfoWindow, template picker, PhotoChooserTask, etc.
Editing

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Using your map offline – 10.2 and beyond

- Provide functionality that supports disconnected use of the ArcGIS platform
  - Viewing and querying maps
  - Editing features
    - Synchronization
  - Performing spatial analytics with the map
    - Finding places
    - Get directions
  - Planned for all Runtime SDKs
From ArcGIS Online and Portal
From Desktop

Author Map → Package → Deploy → Check In

Edit
Developer workflows

- **Take map offline**
  - Viewing
  - Editing
  - Sync
- **Perform offline tasks**
  - Routing
  - Geocoding
  - Query
- **Create your own layer**
  - Define the layer and symbology
  - Persist it to the device
Developer building blocks

• **Webmap**
  - Work with a map offline

• **Local item manager**
  - Manage local items on device

• **Feature cache**
  - Represents the local data storage
  - Provides sync capabilities

• **Local layers and tasks**
  - For features, basemaps, querying, routing, etc
Road Ahead for ArcGIS Runtime

• 10.2
  - Offline map use
    - Being productive offline
    - Network/geocode/search
  - Performance (static/dynamic mode)
  - Security (OAuth, SAML)
  - Simplification of apis
  - New developer site (with better doc system)

• Beyond
  - Offline analysis
  - Local data support
    - Raster and Vector
  - 3D
Windows Phone sessions to look for online

- Developing Mapping Applications with ArcGIS Runtime SDK for Windows Phone
  - Tues 4:00 PM – Mesquite GH

- Deploying Windows Phone Applications
  - Wed 1:30 PM – Demo Theater 2

- Best Development Practices and Patterns Using ArcGIS Runtime SDK for Windows Phone
  - Wed 4:00 PM – Demo Theater 2
Questions?

Please fill out your session surveys

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http://esri.github.com/#winphone