Local Geofencing Using the ArcGIS Runtime SDK
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Using the ArcGIS Runtime SDK
Agenda

- What’s a Geofence
- Using Webmaps to define Geofence
- Location Awareness
- Demo
message
“This bridge will be closed Saturday for a marathon!”
“New house for sale ahead”
“Historic town hall, founded in 1897 on Capitol St.”
Geofencing API
Local notification, point, lines and polygons against a set for feature services.
Use a feature service and in parallel start downloading a runtime geodatabase.
When you have the runtime geodatabase locally on the device, you can query the database for geofences around you.
No near Geofences around you
You are near an area with a Geofence
This is a danger zone!
ArcGIS Runtime SDKs
Geometry Engine
Benefits

- Almost no Internet usage helps with battery
- Using the built in geometry engine
  - Dwelling
  - Approaching
  - Leaving
  - Entering
Instruments
Low internet usage, little power is needed.
Demo
Recap
Built into WebMaps
Creates Geofences from points in a feature service
Runs locally in the device

- Offline
- Uses Geometry Engine
- Actions:
  - Enter
  - Leave
  - Dwell
  - Approach
Thank you…

• Please fill out the session survey:

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